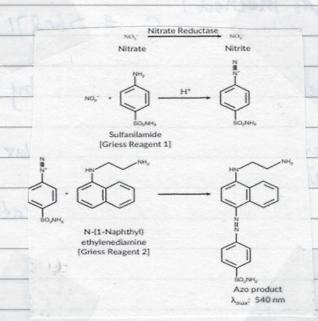
# EXHIBIT B13 Part 3



Chemistry of the Ciriess Reagents

- Preparation

- Nitrate/Nitrite Assay Buffer

- · Dilute with loom Ultralpure water
- · Store two months at 4°C
- Nitrate Reductase (LDH method)
  - · Reconstitute with 1-2ml of Assay Buffer X Keep on ice during ice

- · Store at -20°C, Freeze and thawing of this limited one time
- Lactate Vehydrogonase Cofactor Preparation

· Reconstitute with 1-2ml of Assay Buffer

\* Keep on ice during ice

\* Store at -20°C. Freeze and thawing

- Nitrate Standard

- · Reconstitute with 1.0 ml of Assay Buffer
- · Store 4° 4 mouths.

- Lactate Dehydrogenase	- Sandard Industries
- Lactate Dehydrogenose . Reconstitute the contents of X keep on ice during use	the vial with 1-2ml of Assay buffer
& keep on ice during use	inhable similar laborations
a chara at 200 mas due	THE THE PARTY OF THE

Criess Reagent R1 and R2. Ready to use. no add . Store at 4°C

NADPH

- Plate Set UP.

· Prepare a 1 mM solution of NADPH in assay buffer. · > 1 mM solution of NADPH will required.

· 0.0179 = (833.4 g/mol) (0.001M) (x L) => x=0.02046 = 20.4 ml

\*\* Need media blance for each type medium - RPMI have high Nitrate to Levels.

SEL1 U EL15 BEL12 SEOV SKOV SKOV TOV1 TOV1 TOV1	369 A2780 5 ug/ml 370 A2780 20 ug/ml 371 A2780 100 ug/ml 379 FT33 unt 380 FT33 5ug/ml 381 FT33 20 ug/ml 382 FT33 100 ug/ml 382 NOE unt 384 NOE 5 ug/ml Talc 385 NOE 20 ug/ml Talc
---	---

_	Standard	Dre	paration			9350	a desert	Dak	Lactake	
gel i					0.9 ml	Assay	buffer	and	0.1 ml	
	recons	tituted	nibrate	Stand	and and	vorte	s. "C/	Vow	200 MM	)
	· Use	this s	tandard	for th	ne prepo	aration	of sta	indard	curve	as

Well	Nitrate Standard (µl)	Assay Buffer (µl)	Final Nitrate Concentration (μΜ)*	Nitrate per well (nmoles)
A1, A2	0	60	0	0
B1, B2	5	55	5	1
C1, C2	10	50	10	2
D1, D2	15	45	15	3
E1, E2	20	40	20	4
F1, F2	25	35	25	5

Asson 1. add standards to welli- as stated above 2 add 2000 of Assay Buffer to Blank well

3. add bom of sample the wolls.

· add bout media control

descirbed below

4. add low of the freshly prepared NADPH Solution (1mm) & standard 5. add roul of the Nitrate Reductuse mixture

6. Incubate at room temperature 40 minutes

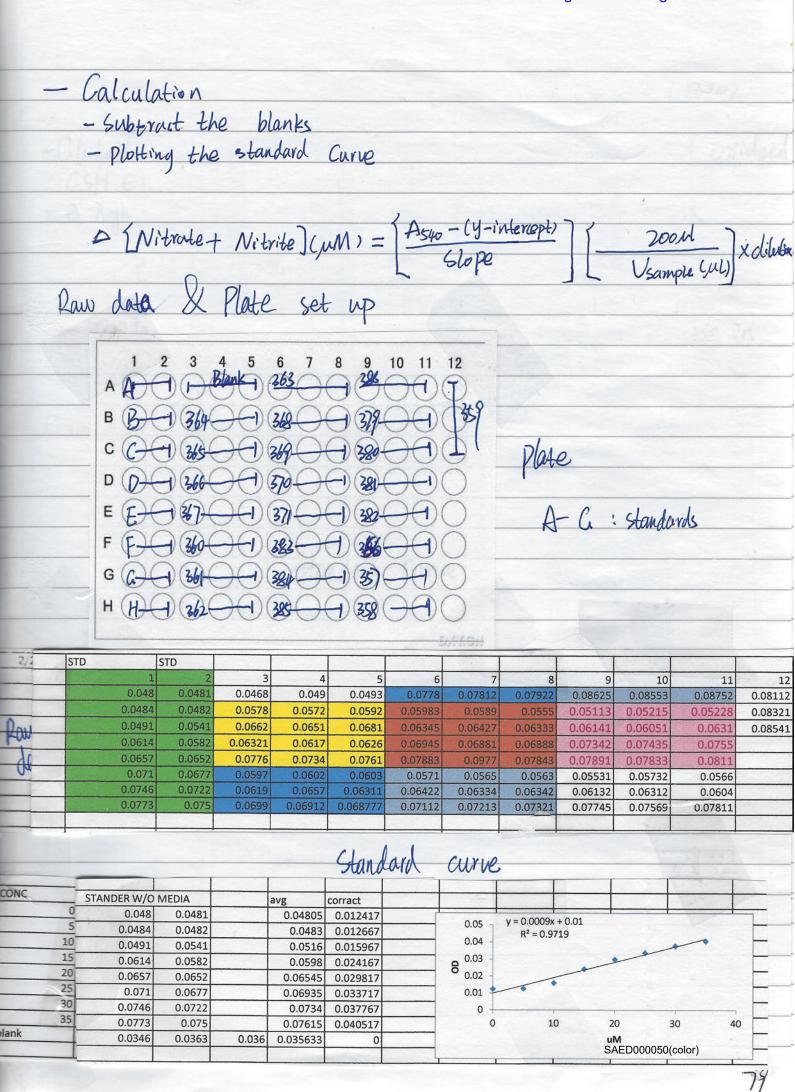
7. add law of the cofactors solution and law of the UDH solution

8. Incubator at room temperature for 20 minutes

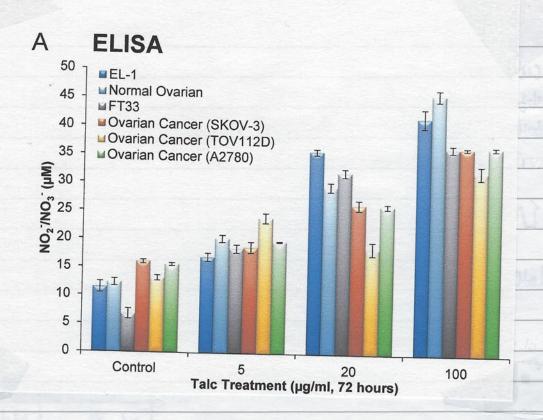
9. add 50 M Griess Reagont RI 10. add 50 M Griess Reagont RZ

11. 10 minutes at room temperature

12. Read at 540 nm or 550 nm



Case 3:	16-	m	d-	<mark>02</mark>	73	38-	-М.	ΑŞ	-R	LS.	Рo	cum	eņ	ıt Ş	73	8-	2	F	iled	d C	)5/	07	/19	)	Pa	ıge	e 6	of 52 PageID: 4092
		1000000																										samp
		EL-1-100 ug	EL-1-20 ug	EL-1-5 ug	EL-1-C	El 1 C	Fallopian 100	Fallopian 2015	Fallopian 5 mg	ug	Talc 20 ug Normal Ovarian-100	5 ug Normal ovarian-	Normal Ovarian-Talc	Normal ovarian-C	Section 1990	A2780-100 pg	AZ 700-20 US	17780 E	80 OV-2-100 UB	SKOV - 3-20 UB	SKOV-3-5 ug	SKOV-3-C	Bh ont-zitaon	TOV112- 20ug	TOV112-5 ug	TOV-112-C	HOSEpiC	
		0.08112	0.07745	0.06132	0.05531	0.07891	0.07342	0.06141	0.05113	0.08625	0.07112	0.06422	1,00.0	0 0571	0.07883	0.06945	0.06345	0.05983	0.0778	0.0699	0.0619	0.0597	0.0776	0.06321	0.0662	0.0578	0.0468	ь
	1):	0.08321	0.07569	0.06312	0.05732	0.07833	0.07435	0.06051	0.05215	0.08553	0.07213	0.06334	0.000	00000	0.09//	0.06881	0.06427	0.0589	0.07812	0.06912	0.0657	0.0602	0.0734	0.0617	0.0651	0.0572	0.049	2
		0.08541	0.07811	0.0604	0.0566	0.0811	0.0755	0.0631	0.05228	0.08752	0.07321	0.06342	0.0563	00100	0.07843	0.06888	0.06333	0.0555	0.07922	0.068777	0.06311	0.0603	0.0761	0.0626	0.0681	0.0592	0.0493	ω
		0.045487	0.041817	0.025687	0.019677	0.043277	0.037787	0.025777	0.015497	0.050617	0.035487	0.028587	0.021467		0.043197	1000	0.027817	0.024197	0.042167	0.034267	0.026267	0.024067	0.041967					- blank
		0.047577	0.040057	0.027487	0.021687	0.042697	0.038717	0.024877	0.016517	0.049897	0.036497	0.027707	0.020867		0.062067		0.028637	0.023267		0.033487		0.024567						- blank
		0.049777	0.042477	0.024767	0.020967	0.045467		0.027467	0.016647	0.051887	0.037577	0.027787	0.020667		0.042797	7 0.033247	7 0.027697	7 0.019867		7 0.033144	0	40	0				_	- blank
	00.1200					100		17.52963		45.12963	28.31852	20.65185	7 12.74074		7 36.88519											1000		<u> </u>
	41./3103	T	7	T				16.52963	130	44.32963	29.44074	19.67407	12.07407					1							5 21.62963			uM M
	44.1903	1								46.54074	30.64074	7 19.76296	7 11.85185								_	T			3 24 96296			E C
	41.81296									. =	29.47963	6 20.20741	5 12.2963		w			T		2					73 907/1		0	ave
	3.3/054232	$\overline{}$			60 10		1	-	-				3 0.62853936								3 0.95066578	0 25	35 2 1213			0.235/0226	30 7757775	<u>S</u>



4/8/2018

GSR Assay Cayman Chem. Cat # 203202

-Chitathiane rearctase catalyzes NADPH dependent reaction of oxidged asH cassa) to asH.

- A high Cist /assa ration crucial for probein against OX. stress

GSSG + NADPH + H+ GR > 2GSH + NADP+

- Oxidation of NADPH to NADPH accompanied by a decrese in absarbance at 340 nm

#### Preparation

- GR Assay Buffer (10x)

- · dilute 2ml assay buffer with 18ml HPLC-grade water
- · Store 2 months, at 4°C
- · must be 25°C to be use in assay

- GR Sample Buffer (10x)

- · dilute 2ml Sample buffer with 18ml HPLC-grade water
- · USE to dilute GR Control + GR Samples
- · Store I month, at 4°C

#### - ar Control

· Aliquot and store at -20°C

- · transfer woul to tube plus 990 ML sample Buffer
- · Keep on ice, stable for 2hours
- · Will cause ~ 0.04 absurbance (U/min)

#### - G55G

· Keady to use

- GR-	- NAPDH
CIL	111111

- . Each vial enough for 40 vxns/wells
- · Add 2ml HPCC-grade water + Vortex
- · keep at Room Temp. Store at 4°C, Stable for 2 days
- · No refreezing

- Assay Procedure

-X Final Volume of assay is 190 M well, detect at 340 nm

- 1. Add 120 ul Assay Buffer and 20 Ml GSSG to 3 wells -> Blank
- 2. Add 100, ul Assay Buffer and 20, ul GSSG and 20, ul dilute Control to 3 wells, -> Control
- 3. For samples, add: 100ml Assay buffer 20ml GSSG

20 M Samples

\*Amt GR added Should cause absorbance 2 between 0.08 ~0.1/min

4. Initiate UXn: add 50M NAPDH to All wells

\* as fast as possible

5. Shark plate for few seconds to mix.

- 6. Read absorbance at 340 nm once every minute.
  - · Get 5 time points
  - · Initial Veading Should be not above 1.2 or belowe 0.5

#### - Calculation

- 1. Dabsorbance per minute
  - · Plot absorbance values vs time
  - · get slope

Time (min)

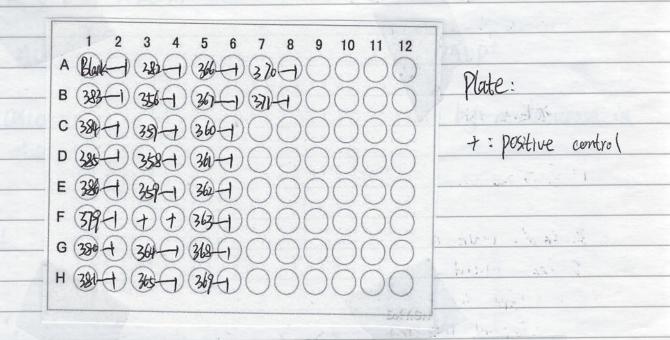
2. Determine rate of DA340/min for backynure/blance and Subtract from rate of sample wells

3. NADPH extinction coefficient = 0.00373 mm

- · I unit = amt. enzyme that will cause oxiciation at hormal
- · actual extinction is 0.00622 µM' cmt adjust from path of well:
- · NADPH to NADP+ per min at 25°C

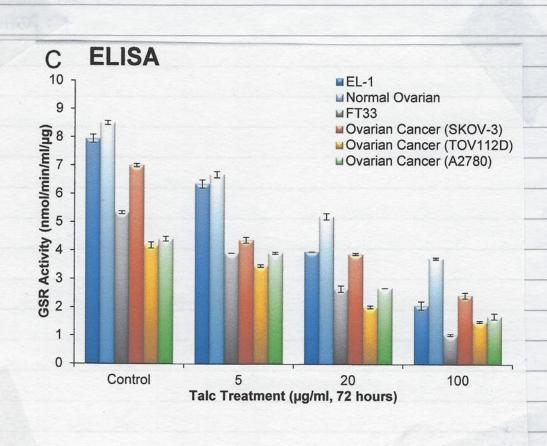
GR activity =  $\frac{\Delta A_{340/min}}{0.00373 \mu M^{-1}} \times \frac{0.19 \text{ ml}}{0.02 \text{ ml}} \times \frac{\text{dilution}}{\text{dilution}} = n \text{ mol/min/ml}$ 

- · Activity of 20~255 nmol/min/ml are in veprocluciblorage . this is equal to absorbance deverse of 0.008~0.1/min



## All ##	
Abs 1 0.2641 0.0897 0.4879 0.4879 0.4879 0.4286 0.4286 0.4299 0.4363 0.4363 0.4363 0.4363 0.4363 0.4363 0.4363 0.4363	
Abs 2 Slope 0.2598 0.0014333 0.0731 0.00332 0.495 0.0027 0.495 0.00204 0.455 0.00154 0.4269 0.00154 0.4225 0.00148 0.4225 0.00316 0.4225 0.00254 0.4225 0.00254 0.4225 0.00254 0.4225 0.000156 0.4225 0.00016	
332 8.456 332 8.456 327 6.877 3.68 5.196 44 3.668 5.298 54 3.922 54 3.922 54 1.019 6.469 6.469 5.6 3.973 78 1.987	
Abs 1 Abs 2 0.2598 0 0.0792 0 0.4873 0 0.4751 0 0.4741 0 0.4311 0 0.4311 0 0.4311 0 0.4311 0	
.2586 .0624 .4877 .4769 .4374 .4374 .4258 .4258 .4258 .4259 .4222 .4223 .4223 .4223	-
Slope 0.0004 0.00336 0.00266 0.00208 0.00146 0.0021 0.0015 0.00154 0.0034 0.00036 0.00154 0.00036	
8.558 6.775 5.298 3.718 5.349 5.349 5.649 0.917 7.891 7.891 5.316 6.316 6.316 5.3192 2.139	
Abs 1 0.2593 0.0771 0.5011 0.4831 0.4467 0.44692 0.4318 0.4318 0.4318 0.4318 0.4318 0.4318 0.4318 0.4318 0.4318	+
Abs 2 0.2588 0.2588 0.4881 0.473 0.4881 0.473 0.4393 0.4267 0.4267 0.4297 0.4223	Children Agency
Slope 0.0001667 0.00348 0.00202 0.00202 0.00148 0.00151 0.00102 0.00102 0.00102 0.00042 0.00042 0.00042 0.00048 0.00246 0.000156 0.00086	The second second
Avg backgr 0.00028 1 8.863 6.8622 5.145 3.769 3.769 5.399 5.392 2.598 1.070 7.845 6.265 3.973 3.973	
Average Average   Average	
SD 0.072037688 0.10806 0.10806 0.03602 0.05094 0.05094 0.05094 0.05094 0.05094 0.05094 0.10806 0.14408 0.14408	

TOV-112-C TOV112- 20ug TOV112- 20ug TOV112- 20ug SKOV-3-C SKOV-3-20 ug SKOV-3-100 ug SKOV-3-100 ug A2780-C A2780-20 ug A2780-100 ug	Background   Positive Control   HOEpiC Unt		4/8/2018 sample diluted with buffer to 5g proteins
	0.4	Abe	5g proteins
	0.3273 0.5124 0.5038	Ahs 2 Slope	
	0 0.03168 0.00122 0.00122 0.00168 0.00168	Abs 1	
0.4785 0.473 0.3932 0.3893 0.342 0.339 0.5793 0.5656 0.5773 0.5678 0.5713 0.5638 0.5252 0.5204 0.4881 0.4904 0.4715 0.4787 0.4252	0.4857 0.3257 0.5175 0.513 0.505 0.4969	Abs 2	
0.001375 3.592 0.0008 1.528 0.0006 1.528 0.00274 6.979 0.00176 4.83 0.00176 3.820 0.00196 2.445 0.00197 4.330 0.00194 2.790 0.00196 2.790 0.00197 1.783		Slope	
0.4878 0.4799 0.4818 0.4799 0.437 0.4341 0.5569 0.556 0.5746 0.561 0.5934 0.5168 0.5214 0.5168 0.511 0.5022 0.4765 0.4712 0.4765 0.4712	0.4857 0.3257 0.512 0.5064 0.5012 0.4934 0.4751 0.4697	Abs 1 Abs 2	
0.00078 0.00058 0.00058 0.00172 0.00174 0.00092 0.00154 0.00154 0.00154 0.00154 0.00154 0.00106	0.0011	Slope 0	
2.03753 1.51117 7.01251 4.38070 3.89678 2.44504 4.42315 3.92225 3.92225 2.69973 1.70643	0.03189 2.57239 4.20241 3.47017	Average nmol/min /ml SD 0.00000	
0.05994 0.02941 0.05882 0.10188 0.03602 0.10188 0.08187 0.03602 0.10806	0.39621 0.10806 0.04502		





地

5/14/2018

Colutathine Pensiclose Assay Kit (Cayman chemical Cat # 703102)

- GPX Catalyzes the reduction of hydropeloxidases, including 11203 by reduced GSH, protecting cell form oxidatule damage.
  - · All are tetramelo of 4 identical subunit.
  - · Each Subunit Contains a selenocysteine in active site which paitopales divertly in the 2e-veduction of peroxide. Substrate
    - GSH used as e-donor to regenerate veduced form of selenoystein

R-0-0-H + 2asH --> R-OH + assa + H20

assa + NADPH +H+ - GR > 2 asH + NADP+

· Oxioation of NADPH to NADP+ accompanied by a decrease in absorbance at 340nm

# Reagent Preparation

- 1. GPX assay buffer ClOX), 3ml/vial

  ·Add 27ml HPLC-Hoo to contents of vial

  · Store 4°C, 6 months
- 2. GPX Sample Briffer Clox)
  - · dilute 2ml Concentrate ~ 18ml HPLC-H2D
  - · Use to dilute control and samples
  - · Store 4°C. Stable for 1 month

3. Calubathine Pensidase (Control) - 50 pl bovine enythrogle Cips

· Aliquot and Store at -20%

· Transfer loul to tube plus 490 ul Sample buffer - onice

. Stoble 4 hours. No freezing

· Absorbance by 0.051 Ulmin

4. GPx. Co. Substrate mixture- vial good for 40wells

· Vial has NADDH, ast, aR

· Add 2ml 25% while i'n use

· Store 4°C, 2days, No refreezing

5. GPx Cumon Hydlopenside - ready to use

· -20°C Storage

\* Final volume is 1801/well

· Detect at 340nm

- Assay

1. add 1201 assay buffer, 501 co-substrate mixture to zwells

· Blank / background

2. Positive Control

· looph assay buffer.

· 50 pl co-substrate mig,

- soul diluted CiPx Control to 3 wells

3. Samples.

· add local assay buffer

50M Co-substrate mix

30 ul Sample

4. Initial van by adding 2011 Cumphe hyoropenxize per well as fast as possible

· Shark to mix



5. Detect at 340nm Once every minute, at least 5 time point - Inital absorbance not above 1-2 or belove 0.5

Calculatione

1. Determine DA 340nm per minutes

· get slope

time (min)

2. Determine rate of background, subtract from rate of samples.

3. Activity

CPS activity (nmol/min/ml) = DAZUO/min × 0.19ml

0.00373 mm × 0.02ml

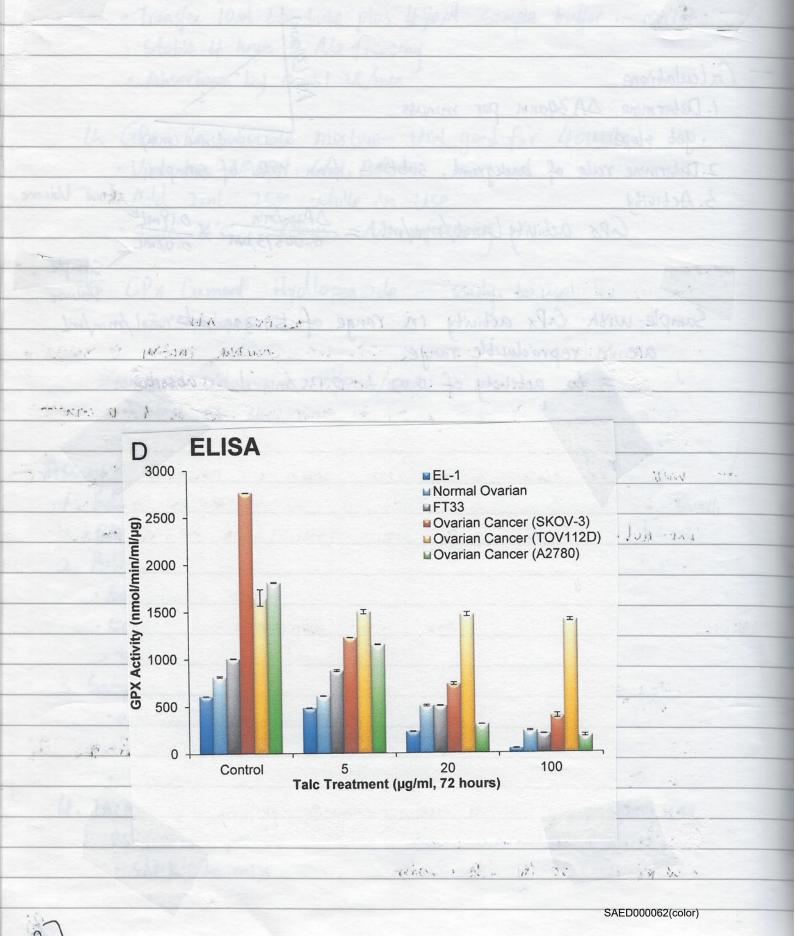
Sample

Sample with CiPx activity in range of 50.344 ntm nmol/min/ml are in reproducible range

= to actility of 0.02 to 0.135/min & in absorbance

£ 5/14/2018	Titrate GPX							- 200 -
	Slope	Slope	Abs Value	Abs Value	nmol/min/mi	nmol/min/ml	Average	Corrected
Background	-6.665	-5.71	6.665	5.71	16975.2011	14542.8954	15759.0483	
Pos Control	-40.481667	-41.146667	40.481667	41.146667	103103.441	104797.141	103950.291	88191.243
5ug - 394	-10.506667	-10.505	10.506667	10.505	26759.6076	26755.3619	26757.4848	10998.4365
10ug - 394	-16.908333	-16.928333	16.908333	16.928333	43064.1189	43115.0572	43089.5881	27330.5398
						- COMP 14-17-		

TOV112- 20ug	2000	TOV-112-C	SKOV-3-100 UR	SKOV-3-20 ug	SKOV-3-5 ug	OKOV-5-C	STON S.	A2780-100 UE	A2780-20 UR	A2780-5 ug	A2780-C	Control	Dackground	Padaround	41 401 1000	272/2018		40	EL-1-100 ng	-	-	-	EL-1-C	Fallopian-100 ug	Fallopian-20ug	Fallopian-5 ug	raiiopian-c	- Pu	Normal Ovarian-100	Normal ovarian- Taic 20 ug	5 ug	Normal Ovarian-Talc	Propine Come	Doeitive Control	Background	A STATE OF THE STA	4/14/2018			The state of the s
-5.746667	-5.846667	-6	-4.743333	-4.645555	40000	-s 073333	-5.675	-4.66	-4.718333	-5.503333	-0.010000	5 2193	-23.293333	-4.89	Slope	The state of the s			+0.62.0-	6 2224	-6 37536	-6.575	-6.675	-6.353333	-6.59	-6.88333	-0.900	,0010C.0-	-6 381667	-6.5898	-6.673333	-0.034	6834	-37.756667	-6.116667	Slope				
567 -5.865	-5.956667	-6.65 -6.17	-4.8	T	48	33 -5.08	75 -5.683333			10.0	T			39 -4.623333	Slope					-6 228301	-6.378333	-6.58933	-6.678333	-6.376667	-6.5/6	-0.0/00	6 9756	6 961667	-6.346667	-6.663333	-6.696667			-37.748333	-6.276667	Slope				
65 -5.655 33 -5.493333	67 -5,855555	T	T	1		3.056667			T	4		-5.39	7 -24.401667		Sic					-6.231667	-6.396667	-6.5946237	-6.6767	-6.3665	-0.5925	-0.01000	6818333	-6 9576	-6.341667	-6.638333	-6.68		-6.795			Slope				
33 5.578333	T	1	T	1	4.843333		T				5.303333	9 5.318333	1	Т	ADS VAI					6.2334	6.37536	6.575	6.6/5	6.333333		100	33		6.381667	6.5898	6.673333		6.834	37.756667		Abs Value				
3 5.463333	1	5.95	1	3 4.846667	3 4.846667	T		T	4.723333	4.575	5.058333		1		4.623333	Ahr Waline				6.228301	6.378333	6.58933	1		67				6.346667	6.663333	6.69666/		6.787	37.748333	6.276667					
5.4	1			7 4.656667		T			4.616667				1	5		Abs Value				6.231667	L	1					33	6.9576	6.341667	6.638333	6.68		6.795			Why Agine				
П	1.150834	3 1.250834	3 2.054167		T		0.4775	1.079167	0.06416/	T	T	1		18.6975	33	Corrected			1	0.036733		1	1	1	-		0.686663	0.788333		0.393133			0.637333		P.19000/					
0.8675	1.269167			T	1	0.250834	0.484167	1.0875	0.121.0	1		0.4625	0.6975	19.325834		Corrected				0.031634				1666	7	0.379333	0.678933	0.765		6666		0,7	0.590555				Corrected C			CONTRACTOR OF STREET
0.8975	1.05916/		2,002	2 0275	0.060834	0.360834	0.460854	1.0525	0.0000	0.020834	0.115834	0.439167	0.794167	19.805854	200000	Corrected				0.035			7			0.395633	0.621666			066		0.483333	4	1			Corrected n			
2502.34584	770.TCC7	1.23/5 3031 07855	2195 7702	5231.79263	375.670241	630.36193	1.	1.0525 2746.5460	77/8 5/866	163,428016	0.115834 311.997319	1801.943/	0.794167 1840.14/45	19.805854 4/020:5/00	3870 OC378	nmol/min/min	- I (min /mi			19890005	-	-			399.015282	1001.78646	-	+	10	100	-	1214.02869 1	_	1622 23418 1			nmol/min/mln			
1 22000,4000	1		3465,931099			1	Т			324.7319035	-53.05991957	71//.945002	1//0.4/1000	SAVE SEE	49221.29303	nmol/mill/milly	amol/min/ml			00.001000	80 5691689	462.6882038	1000.080027	1226.763271	458.4450402	966.1296247	1/29.103923	1340.001025	1949 291421	1100.0075355	199 559517	1273.458445		1503.529088	0 0 0 0		nmol/min/ml			
			99 3151.81	52 51/6.61			919.01		8 2680.63			1	1		3 50443.81		nmol/min/ml Average			00.1.1.00	89.14209115	509.383378	1013.562641	1222.604155	432.5505362	1007.64437	10076467	1000.000.00	1938.03311	260 2029491	1124.886595	1231.008981	S. S	1523.904424			nmol/min/ml			
	.86 2332.55	.61 2953.72	.81 3267.84		I		01 729.41	71 1224.64						58 1808.31			Average				89.14209115 46.79544906	227.6581099	481.9903322	_				_	-			607.2560097		1523.904424 811.9162577			Average			
STATE OF THE PARTY	2.55 153.08		T	T		I S	.41 164.26			T			24 42.02				SD		-					1	-	1	1		1					64.0453807			S	3		
	8 22.00	+	+			38.98		-	+	1		30.35	114.82	100,00			per ug				21.17796 9.35909	29.39019 45.53162	25.85804 96.3980/	4.244/2 1210/244	4 24/20 121 975/4	39 91851	22.46924 100.21821	90.42973 174.94953	37.65835 200.85796	55.50877 47.13246	95.22628 100.17187	30.61096 121.45120		162.38325			per ug		-	
	I		T	78 22.21174058				T	1		13.66283167		Τ.	T	4 50235551		SD				2.11/80	20556.7	2,0000	3 58580	0.42447	2.97966	2.24692	9.04297	3.76583	5.55088	9.52263	ortan's	206140	6.40454	2005		30	5		



5/18/2018

MPO ELISA

Myeloperosiase — mpo

Northwast Life Science Cat # NWK-mpo03

Test principle

H20 mpo Hocl

HOCK + TanNH2 -> TanMCC + Hoo

et priviles

TayMCL + 2TMB -> DTNB+ Cl+ TayMb (Baseline AbS412 is Decreased)

- -HOCI is rapidly trapped by B-amino acid tourine to form the stable ostdant tourine chloramine.
- Prevents accumulation of HOCL that can deactivate MPO

   After incubation for specific time, the MPO catalyzed reaction is stopped by add catlase to eliminate hydrogen peroxide.
- Taurine choramine is then allowed to neart with TMB, a yellow complex with maximal absorbance at 412 nm
- I unit of MPO activity defined the amount of enzyme that can catalyze sufficient Hool production resulting in formation of Inmel Tourist at PH 6.5, 25°C over 30 minutes in present 100 mM Chloride and 100 mm HD. Chloride and looum MDz.

Reagents: Warm Kit ~ 2 hours, room temperature

- Assary Buffer: Yeardy to use

- H2Oz reagent: Mix 12ml of solution from the Hydrogen Peroxide Vid into 4988 ul Assay Buffer
  - · mix + incubate 60 min at roomtemp. before use
  - · must be used within 3hours.
  - · Label as working Hab solution

- Certalase reagent: Reconstitute the cotalase leagent with 20 ml of

· mis and labeled.

- TNB Reagent: Add 22ml Assay Buffer to the TMB vial.

· Mix and labeled

· Stand at room temp for at least 5 minutes before usging

\* Working Holo, Catalose and TMB Solution are stable for 3hours after dilution and must be used with within that the

- Cells preparation;

· Cells from pg 33 · Using medium.

# - Assay Protocols:

- -"Zero MPO Standard" i's created by substituting Assay Bruffer for sample in
- the baseline for TNB absorbance Abase used later when analyzing da

1. Set temp of water both or heating block to 25°C

2. Add 220 M assay buffer to all wells.

3. Add 20 M assay buffer to MPO Zero standard, 20 M dollso to Blank

1. All 20 M Compile per well

4. Add 2011 Sample per well

5. Incubate 5 min

6. Add 10 M working the to each well.

7. Incubate 30 min

8. Add 10 M working Catalose to each well

9. Incubate 5 min

10. Add 25 M working TMB to each well and 25 M assay buffer to Blank and mix well

11. Incubate 20 min

12. Read at 412 nm

\* If absorbance is lower than 0.06, dilute and repeat.

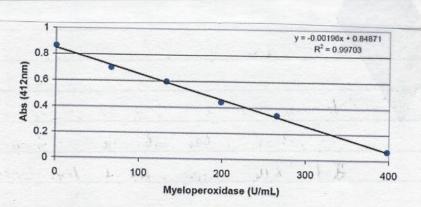
# - Data Analysis

1. Calculate the average absobance at 412 nm for zero MPO sample

2. Calculate the Average for Blank

3. Using the extinction coefficient for TNB of 14100 milcmi

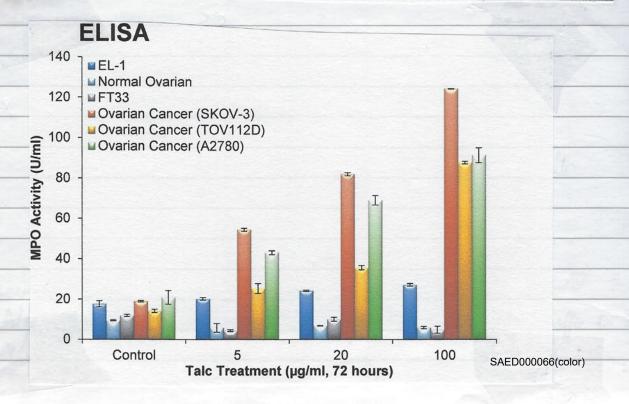
· Using formula to colculate MPO activity



1.5	PlateFormat	Endpoint	Absorbance	Raw	FALSE	1					
0.0952	2	3	4	5	6	7	8	9	10	11	S FINE
0.0952			OTTORE	0.4591	0.4369	0.1274	0.1303	0.1224	0.1313	0.1237	0.400
_			OTA TO	0.1267	0.1289	0.1351	0.1559	0.124			0.120
0.3701	0.3678	0.4214	0.1254	0.127	0.1248	0.1347			0.1253	0.1215	0.138
0.4123	0.4128	0.415	0.1395				0.1504	0.1304	0.121	0.1275	0.1269
0.4279	0.4102	0.4248		012220	0.1296	0.1243	0.1243	0.1302	0.1331	0.1288	0.1304
0.4207	0.4258		0,150	- VIZOUL	0.1449	0.1311	0.1346	0.132	0.1432	0.1483	0.1582
The second second			0.137	718 120	0.1292	0.1301	0.1268	0.134	0.1265		
0.46	0.4589		0.1232	0.1293	0.1363	0.134	0.1424			0.1307	0.1287
0.3904	0.3683	0.3882	0.123					0.1287	0.1469	0.1403	0.1294
	44.4		0,120	0.1396	0.1211	0.1218	0.1273	0.1237	0.1617	0.1179	0.1176

5/18/2018						T			
used 5 ug protein	001			extinction co	efficient = 14,100/	m*cm			
MPO BLANK	OD1	OD2	OD3	Avg Abs	Units MPO/ml	Units MPO/ml	Units MPO/ml		
MPO zero standard	0.0952 0.1796	0.2.10	0.223	0.1201		Sinco in Offin	Offics MPO/IIII	Average	St Dev
TOV-112-C	-	012712	0.1151	0.17685					
TOV112-5 ug	0.2701	0.2678	0.244		13.567305	14.729495	26.755635	111101	
	0.2523	0.2428	0.245		22.561645	27.361995			0.821792
TOV112- 20ug	0.2279	0.2102	0.2248	CHARLES TO THE PARTY	34.890965			25.391325	2.512819
TOV112-100 ug	0.1207	0.1258	0.1376		89.059125	43.834775		35.67418	1.107633
SKOV-3-C	0.26	0.2589	0.2677			86.482095	80.519555	87.77061	1.822235
SKOV-3-5 ug	0.1904	0.2083	0.1882		18.670835	19.226665	14.780025	18.94875	0.393031
SKOV-3-20 ug	0.1322	0.1591			53.839715	44.794845	54.951375	54.395545	0.786062
SKOV-3-100 ug	0.0512	0.0512	0.1369		83.248175	69.655605	80.873265	82.06072	1.67931
A2780-C	0.2449		0.061		124.177475	124.177475	119.225535	121.70151	3.5015504
A2780-5 ug		0.2673	0.2544		26.300865	14.982145	21.500515	20.927842	
A2780-20 ug	0.2007	0.21	0.2133		48.635125	43.935835	42.268345		3.39436
	0.157	0.1567	0.1633		70.716735	70.868325		45.451735	4.5019933
A2780-100 ug	0.1087	0.1167	0.1233		95.122725	91.080325	67.533345	69.12504	1.8832172
Pri 1 Pri					33.122723	91.080325	87.745345	91.434035	3.6943386
EL-1-C	0.1105	0.1542	0.1334		94.213185	70 404555	TE NAME OF THE PARTY OF		
EL-1-5 ug	0.0972	0.0872	0.0968		100.933675	72.131575	82.641815	88.4275	11.045054
EL-1-20 ug	0.0532	0.0566	0.0611	The second second	123.166875	105.986675	101.135795	101.03474	2.8607895
EL-1-100 ug	0.0234	0.0219	0.0311		138.224815	121.448855	119.175005	121.17094	2.0023741
			Name of the Party		130.224013	138.982765	134.334005	136.27941	2.4941218

used 5 ug protein				extinction co	efficient = 14,100/	m*cm			1
	OD1			Avg Abs	Units MPO/ml	Units MPO/ml	Units MPO/ml	Average	St Dev
MPO BLANK	0.0495	0.0528	0.0628	0.0550333				Average	OC DCV
MPO zero standard	0.027	0.0289	0.02059	0.0254967					
Normal ovarian-C	0.0624	0.0614	0.0619		9.161089	9.666389	9.413739	9.413739	0.25265
Normal Ovarian-					51101005	5.000305	9.413/39	9.413/39	0.25263
Talc 5 ug	0.0734	0.0649	0.069		3.602789	7.897839	5.826109	5.775579	2 1470700
Normal ovarian-					51002703	7.037033	3.020109	3.773379	2.1479708
Talc 20 ug	0.067	0.0668	0.0675		6.836709	6.937769	6.584059	6.786179	0.1821885
Normal Ovarian-100					0.000703	0.337703	0,304039	0.700179	0.1021003
ug	0.075	0.0698	0.0681		2.794309	5.421869	6.280879	5.851374	0.6074118
Fallopian-C	0.056	0.0577	0.0575		12.395009	11.535999	11.637059	11.856022	0.4695032
Fallopian-5 ug	0.0696	0.0734	0.0724		5.522929	3.602789	4.108089	4.411269	
Fallopian-20ug	0.0546	0.06127	0.0661	SHEET TO BE SHEET	13.102429	9.732078	7.291479	10.041995	0.9953256
Fallopian-100 ug	0.0661	0.07128			7.291479	4.674025	2.743779	4.9030943	2.9178454 2.2824873



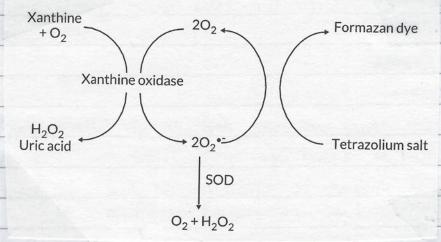
6/19/2018 Superoxide Dismutase Assay Kit

Caymanchem. Cat #706002

Superoxide dismutases (SODs)

202 + 2H++500 -> H202 + O2

— This kit utilizes a tetrazolium salt for detection of superviside radicals generated by Xanthine Oxidose and hypoxanthine



Scheme of Superoxide Dismutase Assay

· The sod assay measures all three types of SOD (Cu/2n, Mn, and FeSOD).

One unit of SOD is defined as amount of enzyme needed to exhibit

50% dismutation of the superoxide radical.

Reagent Preparation

-Assay Buffer (10X)

· Dilute 3 ml of Assay Buffer with 2)ml of HPIC-grade water. (1X)
· Store at 4°C. Stable for 2 months.

-Sample Buffer (10x)

· Dilute 2ml of Sample Buffer with 18ml of HPLC-water (1x, 50mm Tristle)

· Store at 4°C stable for 6 months

SAED000067(color)

- Radical Detector

· 250µl of tetrazolium salt solution

· Prior to USL. soul of solution + 19.95ml diluted Assay Buffer.

\* Cover with tin foil

· Stable for 2 months. enough for 96 well

· Store wrused at -20°C

### — SOD Standard

· Contain local of bosine erythrocyte SOD (Cu/2n)

. Store the thousand enzyme on ree

· Store at -20°C, Stable two freeze/than cycles.

#### - Xanthine Oxidose

· Contain 150,111 of Xanthine Oxidase.

· Prior to use, than one vial and transfer soul of supplied enzyme with 1.95ml of diluted of sample Buffer

· This diluted enzyme is stable for one hour

X. Do not refreeze the thanked enzyme

#### Sample preparation

· Cell lysate see pg 53

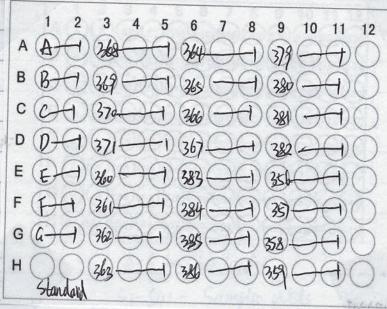
· Collect cells by contrifugation at 1000 - 2000 g, 10 min. 40 \* For adherent cells, use a rubber policeman,

- · Homogenise or sonicate the cell pellet in cold 20mm Hepes
- · Centrifuge at 1500 xg, 5 min. 4°C
- · Remare the supernatant for assay and store on ree · freeze sample at Sic
- · Stable for two mouths.

SAED000068(color)

## Assay protocal

# - Plate Set up Cas following sheet)



Sample plate format

A-G: Standards

-X' Final volume i's 230M ) well X Assay temperature i's 25°C X. Read at 440 ~ 460 nm

#### - Standard Preparation

- · Dilute 2011 of SOD Standard with 1.88 ml Sample buffer (dilute)
- · Take 7 clean glass test tubes and mark A-G.

  · Add amount of SOD Stock and Sample Buffer to each tubes, as below

Tube	SOD Stock (µl)	Sample Buffer (µl)	Final SOD Activity (U/ml) in Well
А	0	1,000	0
В	20	980	0.005
С	40	960	0,010
D	80	920	0.020
Е	120	880	0.030
F	160	840	0.040
G	200	800	0.050

**Fable 1. Superoxide Dismutase standards** 

Performing the Assay

1. 500 Standard Wells
- add 2004 of deluted Radical Detector and 1014 of Standard

2. Sample wells

- add 2001 of the diluted Radical Detector and 1011 of samples

3. Initiale the reactions by adding 2011 of diluted Xanthine Oxidace to all the wells.

X. Make sure to note the precise time you started X. Add Xanthine Oxidase as quickly as possible

4. Carefully shaker for 30 minutes at room temp

5. Read at 440 ~460 nm

Calculation

- Calculate the average absorbance of each standard and sample
- -Divide Standard A's absorbance by itself and divide standard A's absorbance by all the other standards and samples absorbances to yield the linearized Porte
- Plot the Linearized SOD acti Standard rate as function of final SOD Activity (U/ml)
- Calculate the SOD activity of the samples using the equation obtained from the linear regression of standard curve substituting the Linearized rule for each sample

Case 3:16-md-02738-MAS-RLS Document 9738-2 Filed 05/07/19 Page 26 of 52 PageID: 40945

SOD (U/ml) = 
$$\left[ \left( \frac{\text{sample LR - y-intercept}}{\text{slope}} \right) \times \frac{0.23 \text{ ml}}{0.01 \text{ ml}} \right] \times \text{sample dilution}$$

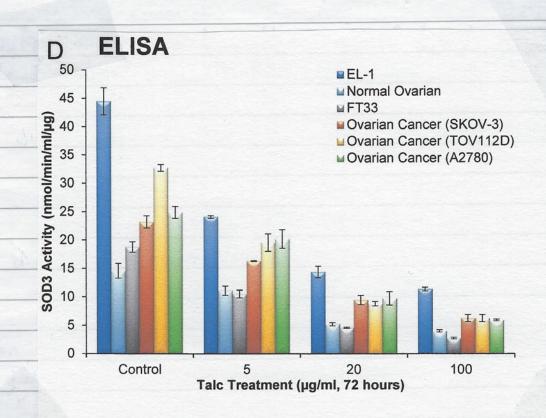
NOTE: 0.23/0.01 is a factor for converting from U/ml in well to U/ml in 10  $\mu$ l added to 230  $\mu$ l well volume

X. The dynamic range of kit is 0.005 - 0.050 mils/ml son

· One unit is defined as the amount of enzyme needed to exhibit 50% dismutation of the superoxide radical.

Standard Curve SOD Linearized Activity = 0.3001x + 0.5432 rate (LR) (U/ml) Standard Raw 1 Raw 2 Average 3.00 2.50 2.00  $R^2 = 0.9723$ 0.4759 0.4618 0.46885 1.00 A 0 1.14 0.3845 0.025 0.4385 0.4115 B 1.50 1.50 0.50 1.28 0.05 C 0.3786 0.353 0.3658 0.1 0.2872 0.2671 0.2772 1.69 D 1.99 0.2373 0.2336 0.2355 0.15 E 0.00 2.33 0.2009 0.2 F 0.203 0.1988 8 0.25 G 0.1747 0.164 0.1694 2.77 SOD (U/ml)

Normal Overlan-Laic 20 ug Normal overlan-Taic 20 u Normal overlan-100 ug Fallopian-C Fallopian-5 ug Fallopian-20ug Fallopian-100 ug Fallopian-100 ug EL-1-C EL-1-C EL-1-20 ug	Normal ova Normal ova Normal ova Fallopian-5 Fallopian-12 Fallopian-11 Fallopian-11 Fallopian-11	Normal ova Normal ova Fallopian-C Fallopian-5 Fallopian-1 Fallopian-1	Normal ova Normal Ova Fallopian-C Fallopian-S Fallopian-2i Fallopian-1	Normal ova Normal ova Fallopian-C Fallopian-5 Fallopian-5	Normal Ova Normal Ova Fallopian-C Fallopian-5	Normal ova Normal ova Normal Ova Fallopian-C	Normal Ova	Normal ova	Normal Ova		Northal Ovalian-C	Mormalova	6n 001-211AO1	TOVAL 2 TENOT	TOV112- 20110	TOV112-5 ug	TOV-112-C	SKOV-3-100 ug	SKOV-3-20 ug	SKOV-3-5 ug	SKOV-3-C	A2780-100 ug	A2780-20 ug	A2780-5 ug	A2780-C	BLANK	6/19/2013	G	0.7 ug Protein	
Normal ovarian- Talc 20 ug Normal Ovarian-100 ug Fallopian-C Fallopian-5 ug Fallopian-20ug Fallopian-100 ug Fallopian-100 ug EL-1-5 ug EL-1-5 ug Fallopian-100 ug	rian- Talc 20 ug arian-100 ug ug ug 0ug 00 ug	rrian- Talc 20 ug arian-100 ug ug ug oug oug	rian- Talc 20 ug arian-100 ug ug ug ooug	arian- Talc 20 ug arian-100 ug ug ug	rian- Talc 20 ug arian-100 ug ug	rian- Talc 20 ug arian-100 ug	rian- Talc 20 ug arian-100 ug	rian- Talc 20 ug		Ildi-idic o ud	Tale E in	risp-C	o ug	0.00	Dillo	JQ O		0 ug	uq	D		gu	- Qu							
0.0773 0.1156 0.1896 0.2451 0.0334 0.0567 0.0886	0.0773 0.1156 0.1896 0.2451 0.0334 0.0567	0.0773 0.1156 0.1896 0.2451 0.0334	0.0773 0.1156 0.1896 0.2451	0.0773 0.1156 0.1896	0.0773	0.0773	2777	0.2003	0.2002	0.1774	0.1130	0 0855	0.1007	0 1654	0.1143	0.0683	0.0433	0.1651	0.1036	0.0786	0.0498	0.1722	0.1022	0.0744	0.0405	0.3138	OD 1			
0.0841	0.00	0.0765	0.0411	0.2561	0.1964	7011.0	0.0079	0.22.0	25/1.0	0.1707	0 1035	0 0954	0.1000	0 1550	0.1253	0.0611	0.0359	0.1556	0.1165	0.0678	0.0600	0.1688	0.1235	0.0669	0.0533	0.3167	OD 2			
0.0912		0.0567	0.0268	0.2650	0.2005	0.1005	0.0722	0.0727	0.1005	0 1883	0 1120	0.0789	0.1.	0 1711	0.1311	0.0757	0.0433	0.1711	0.1276	0.0790	0.0566	0.1685	0.1426	0.0582	0.0562	0.3187	OD 3			
5.291/60/	こっつて こっこ	8.2689594	14.037425	1.912892/	2.4/283/6	4.050750	4 0557058	6065300	2 3407389	2 6428974	4 149115	5.4836257		2.8346433	4.1019248	6.8645681	10.827945	2.8397941	4.525579	5.965013	9,414659	2.722706	4.587573	6.301747	11.576543		LR 1			
0.0/49100	E 67/0108				2.38/22	4:		7	Т	$\neg$		4.9145702			3.7418196	7.6734861	13.059889	3.0131748	4.024464	6.915192	7.814167	2.777547	3.796356	7.008221	8.796435		LR 2			
	5 1408991		Т	Т	Т	1	4		90 1			5.9423321		2.7402104	3.5762777	6.1935271				5.934810	8.283569	2.782493	3.287868	8.055842	8.342527		LR 3	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		
	14.151831	Г	Т	Т	Т		T		T	П	10.414242	14.77942		6.1146122	10.259883	19.296475	32.260659		T	16.354034				1/.455491	34.709321		U/ml			
	15.078013				201		П				11.659957	12.918042		6.6796217	9.0819813	$\overline{}$							1	19./66364	25.615603	21 01 1000	U/ml			
	13.658363	Т	7	1	,	1				4.9869905	10.535419	16.279846		5.8057227		17.101504	1000	5.805/22/	8.8613639	10.255242		1,,		4	24.1308/		U/ml			
	14.37			T		T				5.19	11.10	14.60		6.24	8.81											128	Average			
	T.00	4.90	100	14 08	014	0.11	0.68	0.95	0.21	0.29	0.80	2.38		0.62	0.38	3.42	01.0	0.03	0.61	0.0	1.05	100	014	1.03	280	1 05	SD			



130

6/21/2018

Caspase - 3 Colorinetric Assay
R&D systems, Cat # BF3100

Reagents provided & Storage conditions

REAGENT	DESCRIPTION	STORAGE OF OPENED MATERIAL
DEVD-pNA Substrate	500 μL of 4 mM DEVD substrate peptide conjugated to p-nitroaniline (protect from light).	Store at ≤ -20 °C for up to 6 months after initial use. Avoid repeated freeze-thaw cycles.
DTT	400 μL of a 1 M solution of dithiothreitol (DTT).	use. Avoid repeated neeze-thaw cycles.
Lysis Buffer	100 mL of Lysis Buffer.	
Reaction Buffer 3	4 vials (2.0 mL/vial) of 2X Reaction Buffer 3.	May be stored for up to 6 months at 2-8 °C.
Dilution Buffer	100 mL of Dilution Buffer.	

X Store the unopened kit at -20°C in a manual defrost freezer

- -This kit use to determine the increased enzymatic activity of caspase-3 class of proteases in apoptutic cells by colorimetric reaction
- Caspase-3 known as CPP-32, Yama or Apopain, i's an intracellular cysteine protease that exists as a proenzyme, becoming activated during the cascade of events associated with a poptosis.
- The presence of caspase-3 in cells of different lineages suggests that caspase-3 is a key enzyme required for the execution of apoptosis.
- The cleanage of peptide by the caspase releases the chromophore proposed, which can be quantitated spectrophotometrically at unvelength of the mem
- The level of caspase enzymatic activity in the cell by solle is directly proportional to the color reaction.

Sample preparation:

1. Collect cells, 250×9, 10 minutes

Add 25M of cold Lysis Buffer per 1×106 cells

For Seed 10 cells per dish

SAED000074(color)

- 2. The cell lyscate i's incubated on ice for 10 minutes. Centrifuged at 10000 xg for 1 minute.

  Transfer the supernate to a new tube and on 1'ce
- 3. The enzymatic reation for caspase activity is best carried out in a 96 well flat bottom microplate
- 4. Each reaction requires soul of cell lysate,
- 5. Each reaction also requires 50 M of 2X Reaction Buffer3,
  Prior to using the 2X Reaction Buffer3

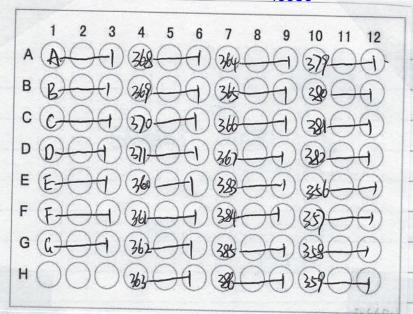
  Add 10 M of freash DTT Stock per 1 mL of 2X Reaction3
- 6. To each reaction well add Sul of cospase-3 colorimetric substrate
- 7. To Incubate the plate 3/°C, 1~2 hours.
- 8. Read the plate on a microplate reader using a wavelongth of 405
- 9. Additional control that should be included in this assay

   no cell bysate and no substrate.

   The total reaction volume must be kept constant and therefore distilled can be used to replace the volume by cell by sotte
- 10. For comparative analysis, the above assay should be repeated with non-induced cells.

Standard: Dilute in IX Assay Buffor -112 ditution series 120ml of Standard + 120 ml buffer 625 MM 52 500 MM 31.3 MM 53 250MM 57 156 MM SAED000075(color) S4 (25,MM 58 IMM

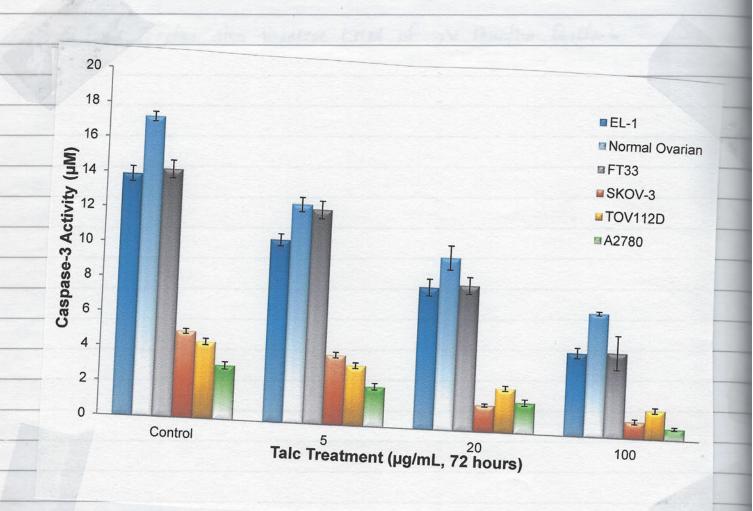
## 



Standard	Raw1	Raw2	Raw3	Ave. Abs.	[Csps-3](uM)	14 7	y = 0.0127x + 0.1156			
1	0	0	0	0	0	12 -	$R^2 = 0.9979$		^	
2	0.203	0.137	0.208	0.206	15.625	10				
3	0.419	0.433	0.487	0.446	31.25					
4	0.844	0.848	0.891	0.861	62.5	4		2		
5	1.642	1.671	1.714	1.676	125	∢ 6	/			
6	3.455	3.512	3.497	3.488	250	4 -	-			
7	6.716	6.778	7.063	6.852	500	2 -	X			
8	12.503	12.604	18.265	12.554	1000	0		1		-
						0	200 400	600	800 1000	1200

Probein

Caspase-3 assay				Name of the last o					
100 ug protein					+	- Comment			
							<del> </del>	-	
Sample	Raw1	Raw2	Raw3	Augus	10 014				
A2780-C	0.198	0.192	0.189	Average 0.194	[Csps-3]-1	[Csps-3]-2	feebe of o	[Csps-3] (uM)	SE
A2780-5 ug	0.177	0.172	0.169	0.173	6.488	6.016	5.780	3.105	0.361
A2780-20 ug	0.155	0.159	0.151		4.835	4.441	4.205	2.307	0.318
A2780-100 ug	0.132	0.131	0.135	0.153	3.102	3.417	2.787	1.785	0.315
SKOV-3-C	0.233	0.239	0.133	0.134	1.291	1.213	1.528	0.673	0.164
SKOV-3-5 ug	0.211	0.215	0.237	0.235	9.244	9.717	9.559	4.976	0.241
SKOV-3-20 ug	0.155	0.213	0.218	0.215	7.512	7.827	8.063	4.021	0.277
SKOV-3-100 ug	0.133	0.139		0.156	3.102	2.945	3.260	1.550	0.157
TOV-112-C	0.220	0.225	0.137	0.135	1.370	1.843	1.685	0.989	0.241
TOV112-5 ug	0.198	0.223	0.228	0.224	8.220	8.614	8.850	4.419	0.318
TOV112- 20ug	0.177	0.201	0.194	0.196	6.488	6.724	6.173	3.460	0.277
TOV112-100 ug	0.177	0.178	0.183	0.180	4.850	4.921	5.315	2.551	0.250
	0.133	0.156	0.150	0.152	3.110	3.197	2.685	1.675	0.274
Normal ovarian-C	0.551	0.546							
Normal Ovarian-Talc 5 ug	0.435		0.558	0.555	34.283	33.890	34.835	17.222	0.475
Normal ovarian- Talc 20 ug	0.333	0.429	0.447	0.441	25.150	24.677	26.094		0.722
Normal Ovarian-100 ug	0.333	0.363	0.344	0.339	17.118	19.480	17.984		1.195
Fallopian-C		0.292	0.288	0.288	13.583	13.913	13.567		0.196
Fallopian-5 ug	0.488	0.471	0.492	0.490	29.323	27.984	29.638	-	0.878
Fallopian-20ug		0.423	0.401	0.406	23.260	24.213	22.472	-	0.871
Fallopian-100 ug	0.312	0.324	0.333	0.323	15.472	16.417	17.118		0.826
EL-1-C	0.254	0.237	0.211	0.219	10.898	9.535	7.512		1.704
EL-1-5 ug	0.445	0.463	0.449	0.447	25.937	27.354	26.252		0.744
EL-1-20 ug	0.389	0.377	0.391	0.390	21.528	The state of the s	21.685		0.596
	0.311	0.319	0.298	0.305	15.386		14.362	-	0.835
EL-1-100 ug	0.221	0.234	0.228	0.225	8.299		8.850		0.512



6/29/2018

SNP Genotyping Assay

(Applied Biosystems, Carlsbad.



- SNP to be examined in cell pellets

- ONA was isolated utilizing the EZI DNA Tissue Kit (Qiagen) for EOC Cells according the manufactor's protocols

- The Tay Man SMP Cenotyping Assay set were used to genotype the SNP.

A		Gene (rs number)											
	CAT (rs769217)	NOS2 (rs2297518)	GSR (rs8190955)	GPX1 (rs3448)	SOD3 (rs2536512)	Na Control of the Con							
MAF	0.123	0.173	0.191	0.176	0.476								
SNP	C-262T	C2087T	G201T	C-1040T	A377T	SERVIN							
Chromosome Location	11p13	17q11.2	8p12	3q21.31	4p15.2								
Amino Acid Switch	Isoleucine to Threonine	Serine to Leucine	Unknown	Unknown	Alanine to threonine	= L							
Effect on Activity	Decrease	Increase	Unknown	Unknown	Decrease	The state of the s							

- The TagMan SNP Genotyping Assay Set were used to genotype the SNPS · NCBI ds SNP genome Technology Cex build 37, MAF source 1000 genomes
- The Applied Genomics Technology Center performed these assay. AGTC, Wayne State University, Detroit, MI
  - Analysis was done utilizing the Quanstudio TM 12K Flex Real-time PCR System.

# Exported By: GUEST

# Export Date: 07/11/2018 14:11:18 EDT

# Study Name : Untitled # Experiment Type : Endpoint

# Instrument Type : QuantStudio™ 12K Flex Real-Time PCR System

# Software Version Number: 1.4.0

# Creation Date: 07/11/2018 13:20:55 EDT

# Created By: GUEST

# Last Modified Date : 07/11/2018 14:10:49 EDT

# Last Modified By : GUEST # Template File Name : N/A

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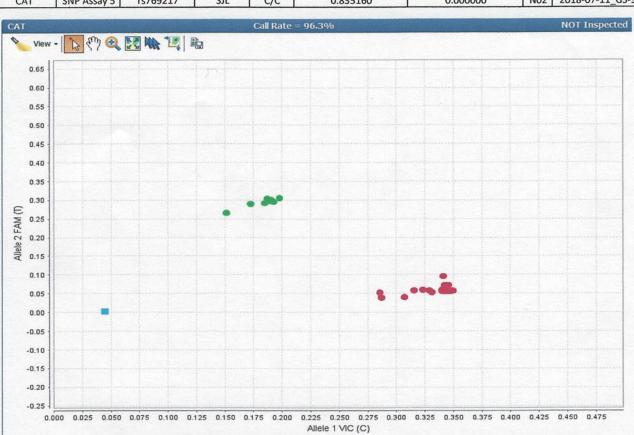
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	Assay ID	Assay Nam	Population	Allele 1 Fre	Allele 2 Fre	1/1 Fred	1/2 Freq	2/2 Freq	Chi Causa I	In
5	SNP Assay	SOD3	All	0%						P-Value
	SNP Assay				0,0		0,0	0%	0	1
			All	31.50%	68.50%	14.80%	33.30%	51.90%	1.396	0.237
5	SNP Assay	GPX1	All	100%	0%	100%	0%			0.237
2	SNP Assay	GSR	All	0%	100%					
1	SNP Assay	CAT	All				0,0		0	1
				84.60%	15.40%	69.20%	30.80%	0%	0.86	0.354
	SNP Assay	СҮВА	All	41.70%	58.30%	12.50%	58.30%	29.20%		

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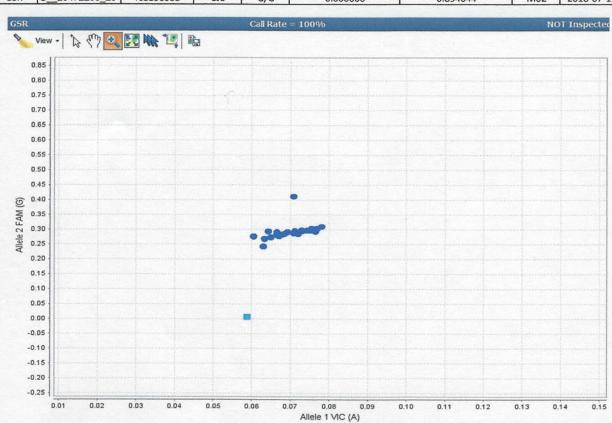
## Case 3:16-md-02738-MAS-RLS Document 9738-2 Filed 05/07/19 Page 35 of 52 PageID: 40954

Assay Name	Assay ID	NCBI SNP Ref.	Sample ID	Call	Allele1 (C) Amp Score	Allele2 (T) Amp Score	Well	Experiment Name
CAT	SNP Assay 5	rs769217	A2780-C	C/C	0.859261	0.000000	101	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	SKOV-C	C/C	0.868249	0.000000	103	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	TOV112-C	C/C	0.867341	0.000000	105	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	HOSPIC-C	C/C	0.875622	0.000000	107	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	FT33-C	C/C	0.871144	0.000000	109	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	NOC-C	C/C	0.876471	0.000000	111	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	A2780-T	C/C	0.877593	0.000000	113	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	SkOV-T	C/C	0.872718	0.000000	115	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	TOV112-T	C/T	0.658010	0.869565	117	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	HOSPIC-T	C/T	0.655459	0.868229	119	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	FT33-T	C/T	0.650990	0.864536	121	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	NOC-T	C/T	0.612055	0.850921	123	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	A2780-C	C/C	0.841331	0.000000	102	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	SKOV-C	C/C	0.860892	0.000000	104	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	TOV112-C	C/C	0.876584	0.000000	106	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	HOSPIC-C	C/C	0.874654	0.000000	108	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	FT33-C	C/C	0.877596	0.000000	110	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	NOC-C	C/C	0.874607	0.000000	112	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	A2780-T	C/C	0.867310	0.000000	114	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	SkOV-T	C/C	0.871008	0.000000	116	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	TOV112-T	C/T	0.656320	0.877184	118	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	HOSPIC-T	C/T	0.649022	0.863312	120	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	FT33-T	C/T	0.648668	0.867816	122	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	NOC-T	C/T	0.629139	0.864298	124	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	CEPH	C/C	0.838256	0.000000	N04	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	NTC	N/A	0.000000	0.000000	N06	2018-07-11_GS-997.eds
CAT	SNP Assay 5	rs769217	SJL	C/C	0.835160	0.000000	N02	2018-07-11_GS-997.eds



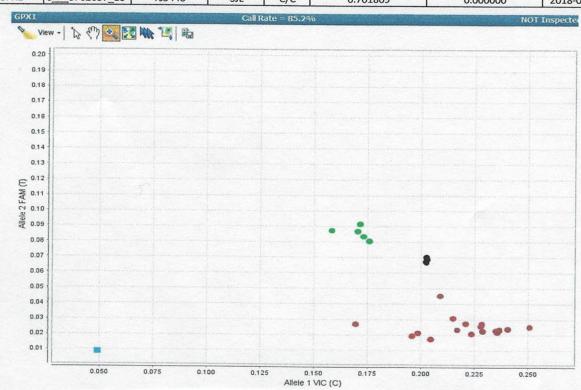
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Assay Nam	Assay ID	NCBI SNP Ref.	Sample ID	Call	Allele1 (A) Amp Score	Allele2 (G) Amp Score	Well	Experiment Name
GSR	C25472285_20	rs8190955	A2780-C	G/G	0.000000	0.893638	G01	2018-07-11 GS-997.eds
GSR	C_25472285_20	rs8190955	SKOV-C	G/G	0.000000	0.897784	G03	2018-07-11 GS-997.eds
GSR	C25472285_20	rs8190955	TOV112-C	G/G	0.000000	0.900424	G05	2018-07-11 GS-997.eds
GSR	C25472285_20	rs8190955	HOSPIC-C	G/G	0.000000	0.903515	G07	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	FT33-C	G/G	0.000000	0.899146	G09	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	NOC-C	G/G	0.000000	0.903931	G11	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	A2780-T	G/G	0.000000	0.907440	G13	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	SkOV-T	G/G	0.000000	0.904642	G15	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	TOV112-T	G/G	0.000000	0.903133	G17	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	HOSPIC-T	G/G	0.000000	0.898479	G19	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	FT33-T	G/G	0.000000	0.889356	G21	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	NOC-T	G/G	0.000000	0.865288	G23	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	A2780-C	G/G	0.000000	0.777331	H01	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	SKOV-C	G/G	0.000000	0.890199	G02	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	TOV112-C	G/G	0.000000	0.894693	G04	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	HOSPIC-C	G/G	0.000000	0.907142	G06	2018-07-11_GS-997.eds
GSR	C_25472285_20	rs8190955	FT33-C	G/G	0.000000	0.910245	G08	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	NOC-C	G/G	0.000000	0.906755	G10	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	A2780-T	G/G	0.000000	0.905957	G12	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	SkOV-T	G/G	0.000000	0.898448	G14	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	TOV112-T	G/G	0.000000	0.900353	G16	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	HOSPIC-T	G/G	0.000000	0.900184	G18	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	FT33-T	G/G	0.000000	0.600299	G20	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	NOC-T	G/G	0.000000	0.889474	G22	2018-07-11_GS-997.eds
GSR	C_25472285_20	rs8190955	NOC-T	G/G	0.000000	0.888737	G24	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	CEPH	G/G	0.000000	0.891366	M04	2018-07-11_GS-997.eds
GSR	C25472285_20	rs8190955	NTC	N/A	0.000000	0.000000	M06	2018-07-11_GS-997.eds
GSR	C_25472285_20	rs8190955	SJL	G/G	0.000000	0.894044	M02	2018-07-11_GS-997.eds



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Assay Name	Assay ID	NCBI SNP Ref.	Sample ID	Call	Allele1 (C) Amp Score	Allele2 (T) Amp Score	Experiment Name
GPX1	C8762057_10	rs3448	A2780-T	C/C	0.712653	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-T	C/C	0.705939	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	FT33-T	C/C	0.732661	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	NOC-T	C/C	0.741459	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	A2780-C	UND	0.673660	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-C	UND	0.671252	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	FT33-C	UND	0.659262	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	NOC-C	UND	0.672411	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	A2780-T	C/C	0.730852	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-T	C/C	0.724943	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	FT33-T	C/C	0.717511	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	NOC-T	C/C	0.701899	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	EL-1	C/C	0.607089	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	A2780-C	C/T	0.626308	0.543334	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-C	C/T	0.621549	0.554203	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	FT33-C	C/T	0.603927	0.530074	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	NOC-C	C/T	0.608042	0.532584	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	A2780-T	C/C	0.730550	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-T	C/C	0.651890	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	FT33-T	C/C	0.744586	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	NOC-T	C/C	0.727160	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	A2780-T	C/C	0.731175	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	SKOV-T	C/C	0.714878	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	FT33-T	C/C	0.724256	0.000000	2018-07-11 GS-997.eds
GPX1	C8762057_10	rs3448	NOC-T	C/C	0.685770	0.000000	2018-07-11_GS-997.eds
	C8762057_10	rs3448	CEPH	C/T	0.592382	0.526196	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	NTC	N/A	0.000000	0.000000	2018-07-11_GS-997.eds
GPX1	C8762057_10	rs3448	SJL	C/C	0.701809	0.000000	2018-07-11_GS-997.eds

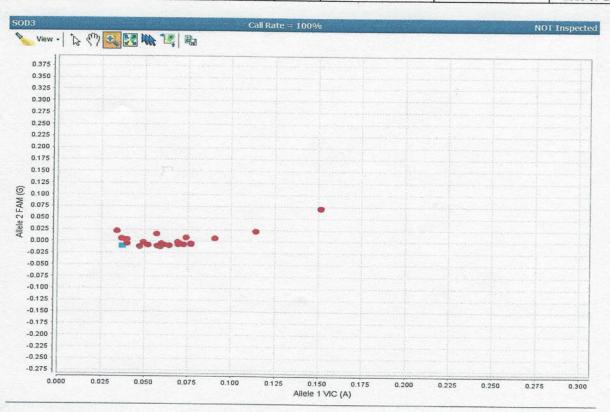


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Assay Name	Assay ID	NCBI SNP Ref.	Sample ID	Call	Allele1 (A) Amp Score	Allele2 (G) Amp Score	Well	Experiment Name
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NOS2	C11889257_10	rs2297518	TOV112-C	G/G	0	0.873627	C03	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	SKOV-C	G/G	0	0.869711	C05	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	HOSPIC-C	G/G	0	0.794009	C07	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	FT33-C	G/G	0	0.88025	C09	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	NOC-C	G/G	0	0.881837	C11	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	A2780-C	G/G	0	0.877297	C13	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	TOV112-C	G/G	0	0.866705	C15	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	SKOV-C	G/G	0	0.879188	C17	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	HOSPIC-C	G/G	0	0.881639	C19	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	FT33-C	G/G	0	0.870062	C21	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	NOC-C	G/G	0	0.818528	C23	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	A2780-T	G/G	0	0.740608	D01	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	TOV112-T	A/G	0.685417	0.770813	C02	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	SKOV-T	A/G	0.700276	0.780029	C04	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	HOSPIC-T	A/G	0.604773	0.599274	C06	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	FT33-T	A/G	0.696461	0.764702	C08	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	NOC-T	A/G	0.685289	0.770144	C10	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	A2780-T	A/G	0.700586	0.782077	C12	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	TOV112-T	A/G	0.709069	0.779647	C14	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	SKOV-T	A/G	0.691319	0.789883	C16	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	HOSPIC-T	A/A	0.782495	0	C18	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	FT33-T	A/A	0.78802	0	C20	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	NOC-T	A/A	0.790621	0	C22	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	NOC-T	A/A	0.778243	0	C24	2018-07-11 GS-997.eds
NOS2	C11889257_10	rs2297518	CEPH	G/G	0.000000	0.870160	N03	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	NTC	N/A	0.000000	0.000000	N05	2018-07-11_GS-997.eds
NOS2	C11889257_10	rs2297518	SJL	A/G	0.666694	0.761451	N01	2018-07-11_GS-997.eds



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Assay Name	Assay ID	NCBI SNP Ref.	Sample ID	Call	Allele1 (A) Amp Score	Allele2 (G) Amp Score	Experiment Name
SOD3	C2668728_10	rs2536512	A2780-C	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	TOV112-C	A/A	0.605730	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	SKOV-C	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	HOSPIC-C	A/A	0.532156	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	FT33-C	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	NOC-C	A/A	0.576449	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	A2780-C	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	TOV112-C	A/A	0.521027	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	SKOV-C	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	HOSPIC-C	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	FT33-C	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	NOC-C	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	A2780-T	A/A	0.525351	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	TOV112-T	A/A	0.524933	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	SKOV-T	A/A	0.513045	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	HOSPIC-T	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	FT33-T	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	NOC-T	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	A2780-T	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	TOV112-T	A/A	0.533845	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	SKOV-T	A/A	0.000000	0.000000	2018-07-11_GS-997.eds
SOD3	C2668728_10	rs2536512	HOSPIC-T	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	FT33-T	A/A	0.532481	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	NOC-T	A/A	0.526249	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	NOC-T	A/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	CEPH	A/A	0.622530	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	NTC	N/A	0.000000	0.000000	2018-07-11 GS-997.eds
SOD3	C2668728_10	rs2536512	SJL	A/A	0.682456	0.559216	2018-07-11 GS-997.eds



		(	Gene (rs number)		
Cell Lines	<i>CAT</i> (rs769217)	NOS2 (rs2297518)	GSR (rs8190955)	GPX1 (rs3448)	SOD3 (rs2536512)
A2780- Control	C/C	C/C	G/G	C/T	A/A
A2780- Talc	C/C	C/C	G/G	C/C	A/A
SKOV-3- Control	C/C	C/C	G/G	C/T	A/A
SKOV-3- Talc	C/C	T/T	G/G	C/C	A/A
TOV112D- Control	C/C	C/C	G/G	C/T	A/A
TOV112D-Talc	C/T	C/C	G/G	C/C	A/A
HOSEpiC- Control	C/C	C/C	G/G	C/T	A/A
HOSEpiC- Talc	C/T	T/T	G/G	C/T	A/A
FT33- Control	C/C	C/C	G/G	C/T	A/A
FT33- Talc	C/T	T/T	G/G	C/C	A/A
Normal Ovarian- Control	C/C	C/C	G/G	С/Т	A/A
Normal Ovarian- Talc	C/T	T/T	G/G	C/C	A/A

MTT Cell Proliferation Assay CTrevigen Gaithersburg, MD)
Cat#4890-25K

9/4/2018

- Seeded cells 2000 cells / well

- Count cells using the homocytometer

	1	96 well	3	4	E	Total at a second
B C		2780 Unt 30 100ug/ml			-1Unt 100ug/ml	6 7 8 9 10 11 1
D E F	SKOV	OV-3 Unt /-3 100ug/ml		TOV112	112 Unt 100ug/ml	
G H	Normal Normal or	l ovarian Unt varian 100ug/ml			3 Unt 00ug/ml	

9/5/2018

-Treat cells with tale  $8.10^{4} \text{ rg/ml} = (5\text{ml}) (100 \text{ rg/ml}) \implies 8 = 50 \text{ nl}$ 

9/6/208

-After 24 hours treatment

- Add well MTI reagent to each well

- Incubate 2 hours in 37°c incubator

\* For normal cells, incubate move than 2 hours

· Cheek under microscope to make sure has fromanza

- Next, add Second reagent (SDS-HCl Detergent Reagent) . loom per wall

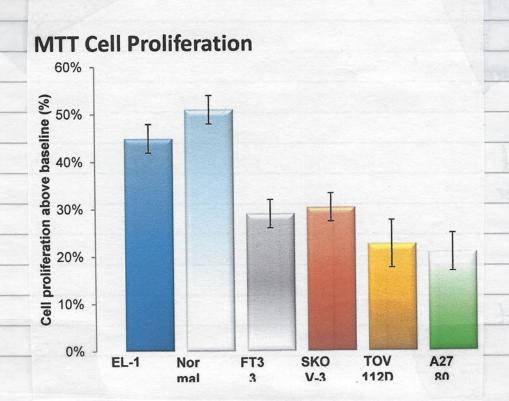
- Incubate 2nd hours in 37°C incubator

- Detect at 570 nm

Raw data

9/6/2018					
1	2	3	4	5	6
0.1764	0.17	0.1767	0.1616	0.15	0.156
0.212	0.223	0.2261	0.2899	0.2873	0.2719
0.1225	0.1248	0.1232	0.192	0.2087	0.1961
0.2198	0.2126	0.2171	0.2604	0.251	0.2598
0.3042	0.3017	0.3269	0.1383	0.1402	0.1437
0.1593	0.1506	0.1598	0.253	0.2643	0.2539
0.1244	0.1202	0.1282	0.151	0.1541	0.15
0.103	0.115	0.112	0.1411	0.1414	0.1408
0.225	0.2248	0.2232	0.192	0.2087	0.1961

Cell type											
	OD 1	OD 2	OD 3	Corr 1	Corr 2	Corr 3	Cytotoxicty (%) 1	Cytotoxicty (%) 2	Cytotoxicty (%) 3	Average	SD
A2780 unt	0.1764	0.17	0.1767	0.1764	0.17	0.1767	0%	0%	0%	0%	0%
100 ug/ml	0.212	0.223	0.2261	0.212	0.223	0.2261	17%	24%	22%	20.80%	4%
SKOV unt	0.2198	0.2126	0.2171	0.2198	0.2126	0.2171	0%	0%	0%	0.00%	0%
100 ug/ml	0.3042	0.3017	0.3269	0.3042	0.3017	0.3269	28%	30%	34%	30.29%	3%
TOV112 unt	0.192	0.2087	0.1961	0.192	0.2087	0.1961	0%	0%	0%	0.00%	0%
100 ug/ml	0.2604	0.251	0.2598	0.2604	0.251	0.2598	26%	17%	25%	22.55%	59
EL-1 unt	0.1616	0.15	0.156	0.1616	0.15	0.156	0%	0%	0%	0.00%	09
100 ug/ml	0.2899	0.2873	0.2719	0.2899	0.2873	0.2719	44%	48%	43%	44.89%	39
Normal ovarian unt	0.103	0.115	0.112	0.103	0.115	0.112	0%	0%	0%	0.0%	09
100 ug/ml	0.225	0.2248	0.2232	0.225	0.2248	0.2232	54%	49%	50%	51.0%	36
FT33 unt	0.1411	0.1414	0.1408	0.1411	0.1414	0.1408	0%	0%	0%	0.0%	0'
100 ug/ml	0.192	0.2087	0.1961	0.192	0.2087	0,1961	27%	32%	28%	29.0%	3

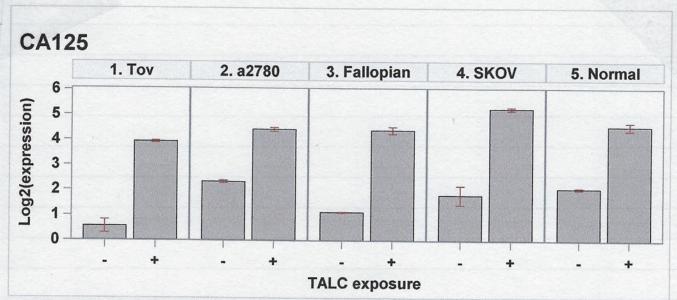


SAED000087(color)

Statistical Analysis

10.6.8

- -Normality was examined using the Kolmogorov-Simir nov test and by visual inspection of quantile quantile plots.
- —Because most of the data were not normally distributed, differences in distributions were examined using the Kruskal-Wallists test.
- Generalized linear models were used to examine pairwise differences in estimated least squares means by exposure to 0,5,20 or loo ng/ml of Talc, with or without Tukey-kramer adjustment for multiple comparisons.
- Analyte expression values were log2 transformed after adding a numeric constant "1" to avoid negative values.
- P- Values below 0.05 was considered statistically significant



Mean +/- Standard Deviation Log2(Marker) Expression with and without exposure to TALC [Note: The data were log2 transformed after adding a numeric constant ('1') to avoid negative transformed expression values]

#### Mean Std Med i ar ...

#### PCR

				P	CR				
		Analysis Variable : log2expPlusOne							
Cell_line	Marker	exposure	N Obs	Mean	Std Dev	Std Error	Median	25th Pctl	75th Pc
A2780	CAT	i. 0 ug/ml	3	3.6669399	0.0866785	0.0500438	3.6474296	3.5916794	3.76171
		ii. 5 ug/m	3	3.551069	0.0962913	0.0555938	3.5008021	3.4903134	3.66209
		iii. 20 ug	3	3.0529977	0.0522557	0.0301698	3.0282155	3.0177438	3.11303
		iv. 100 ug	3	2.3093358	0.0943387	0.0544665	2.2871768	2.228049	
	GSR	i. 0 ug/ml	3	2.4390697	0.0218641	0.0126233	2.448108	2.4141355	2.45496
		ii. 5 ug/m	3	2.3042019	0.0085862	0.0049573	2.2992447	2.2992447	2.31411
		iii. 20 ug	3	1.8875253	0	0	1.8875253		1.88752
		iv. 100 ug	3	1.4494482	0.0470991	0.0271927	1.4766409	1.3950628	1.47664
	GST	i. 0 ug/ml	3	2.8387682	0.028132	0.016242	2.8225262		
		ii. 5 ug/m	3	2.5891539	0.0820301	0.0473601	2.5604704		
vinos indicarios		iii. 20 ug	3	2.1458805	0.1374958	0.0793832	2.1528324	2.0050406	2.27976
		iv. 100 ug	3	1.4536326	0.1735074	0.1001745	1.421156	1.2986583	1.64108
ACHE	MPO	i. 0 ug/ml	3	4.4203917	0.3911882	0.2258526	4.4919172	3.9983761	
		ii. 5 ug/m	3	5.4678059	0.0287839	0.0166184	5.4783894	5.4352285	5.48979
		iii. 20 ug	3	6.1434159	0.0387315		6.1642432	6.0987269	6.16727
		iv. 100 ug	3	6.5277399	0.0576635	0.0332921	6.5248159	6.4715939	6.58680
	NO2	i. 0 ug/ml	3	4.0269499	0.0465503	0.0268758	4.0362396	3.9764553	4.06815
		ii. 5 ug/m	3	4.3957668	0.0386617	0.0223213	4.3782342	4.3689778	4.44008
		iii. 20 ug	3	4.7555891	0.0207424	0.0119757	4.7457751	4.7415748	
		iv. 100 ug	3	5.4497071	0.3718927	0.2147123			
	SOD	i. 0 ug/ml	3	4.7346013	0.0833955	0.0481484	4.7342219	4.6513962	4.81818
		ii. 5 ug/m	3	4.3928697	0.1958249	0.1130596	4.3761514	4.2059398	
		iii. 20 ug	3	3.382088	0.2905107	0.1677264		3.1038333	3.68347
		iv. 100 ug	3	2.7808886	0.0229483	0.0132492	2.7924389	2.75446	2.79576
EL-1	CAT	i. 0 ug/ml	3	4.6347343	0.007743	0.0044704	4.6320937	4.628657	4.64345
		ii. 5 ug/m	3	4.4475437	0.0185819	0.0107283	4.4570689	4.4261305	4.45943
	/s=sx17*	iii. 20 ug	3	3.9117219	0.0631814	0.0364778	3.891322	3.8612606	3.98258
		iv. 100 ug	3	3.4137774	0.085582	0.0494108	3.3686287	3.3602238	3.51247
	GSR	i. 0 ug/ml	3	3.1584852	0.0170451	0.009841	3.1529946	3.1448621	3.17759
		ii. 5 ug/m	3	2.8776443	0.0207752	0.0119946	2.8710551	2.8609628	2.90091
		iii. 20 ug	3	2.3091592	0.0085862	0.0049573	2.3141164	2.2992447	2.31411
		iv. 100 ug	3	1.6341862	0.0494412	0.0285449	1.650305	1.5786972	1.67355
o reverse	GST	i. 0 ug/ml	3	2.5764269			2.6095186		2.62713
		ii. 5 ug/m	3	2.1904434	0.0169111		2.1906149		2.20726
		iii. 20 ug	3	2.0394084	0.1873334	0.108157	2.1384868	1.8233418	
		iv. 100 ug	3	1.2697114		-			
	MPO	i. 0 ug/ml	3	6.3838911	0.190338		6.3861557	6.1924309	6.57308
		ii. 5 ug/m	3	6.6957103				6.6714915	-
		iii. 20 ug	3	6.9337227	0.0236576	0.0136587	6.9360372	6.908993	6.9561
		iv. 100 ug	3	7.1102543	0.0261662		7.1212745	The second secon	
	NO2	i. 0 ug/ml	3	3.6938228	0.1276474	0.0736972	3.7208257	3.5548344	3.80580
		ii. 5 ug/m	3	4.2260657	0.1170831	0.0675979	4.2039842	4.1215957	4.35261
		iii. 20 ug	3	5.1669652	0.0562575	0.0324803			
		iv. 100 ug	3		0.0803845	0.04641		5.3373543	
	SOD	i. 0 ug/ml	3		0.3237203			5.1357401	
West Company		ii. 5 ug/m	3	4.6439809				4.6374943	
		iii. 20 ug	3		0.0675847		3.9214363		
		iv. 100 ug	3	3.6529395			3.6507646		
FT33	CAT	i. 0 ug/ml	3		0.0189612				
		ii. 5 ug/m	3		0.0186948		4.5531147		
		iii. 20 ug	3	3.9261712			3.9585643		THE RESERVE AND ADDRESS OF THE PARTY OF THE
		iv. 100 ug	3		0.0452928		3.3033424		
	GSR	i. 0 ug/ml	3			0.0066261	THE RESERVE THE PERSON NAMED IN COLUMN 2 I		
		ii. 5 ug/m	3	2.2891742			2.2992447		2.29924
		iii. 20 ug	3	1.8739905	-	0.0176445			
		iv. 100 ug	3	1.0007073	the state of the s		1.0136409		
	GST	i. 0 ug/ml	3	2.7078651		0.0063323			2.71567
		ii. 5 ug/m	3	2.311642		The second second second	2.3109217		
		iii. 20 ug	3	1.9325492			1.9328171		
		iv. 100 ug	3	1.0931968			1.1130337		
- Allegania	MPO	i. 0 ug/ml	3	3.6837367			3.6595821		the state of the s
		ii. 5 ug/m	3		0.2581914		2.3527585		
		iii. 20 ug	3	3.4310737	0.383192		3.4238471		3.81782
		iv. 100 ug	3	2.4868309	THE RESERVE OF THE PERSON NAMED IN		2.5043662		-
	NO2	i. 0 ug/ml	3	2.4666309					3.06781
	1102	ii. 5 ug/m	3	4.2315124		THE RESERVE OF THE PERSON NAMED IN	4.211791		
		iii. 20 ug	3	5.0433074		THE RESERVE AND ADDRESS OF THE PARTY OF THE	5.0403226		
		iv. 100 ug	3			0.0291896			
	800	The same of the sa	CONTRACTOR DESCRIPTION OF THE PARTY OF THE P	THE RESERVE AND ADDRESS OF THE PARTY OF THE	the second secon		4.2540649		
	SOD	i. 0 ug/ml ii. 5 ug/m	3	4.2502737					
		I II. D UQ/III	3	1 3.50/8828	0.0672157	0.03880/	3.4736571	3.4646683	0.00002

0	1	0
K	U	K

		iv. 100 ug	3	1 94442	82 0.08801	nel n acas	00 4 555		
NOE	CAT	i. 0 ug/ml		3.7103	53 0.0480	23 0.00004		1.8599695	
		ii. 5 ug/m	3	3.44355	67 0.0469	23 0.02824 87 0.00848		5 3.6657338	3.7626677
		iii. 20 ug	3	3.06607			63 3.440819		
		iv. 100 ug	3	2.44880		35 0.03022			
	GSR	i. 0 ug/ml	3	3.26665			14 3.256708		
		ii. 5 ug/m	3	2.95555		87 0.01380		8 3.24123 7 2.9301696	
		iii. 20 ug	3	2.63521			13 2.631337		
		iv. 100 ug	3	2.23822					
	GST	i. 0 ug/ml	3	2.40846					2.2536868 2.5988416
		ii. 5 ug/m	3	1.956000	0.035857		23 1.943733	8 1.9278965	
	-	iii. 20 ug	3	1.478464	48 0.092986	0.053685	9 1.526569		1.5375446
	1400	iv. 100 ug	3	0.75397		3 0.017092		5 0.7311832	0.7874325
	MPO	i. 0 ug/ml	3	3.380123		0.020201			3.4149473
	-	ii. 5 ug/m	3	2.70903					3.1534811
		iii. 20 ug	3	2.960678					2.9887756
	NO2	iv. 100 ug	3	2.897449	0.232876				3.1451883
-	IVOZ	i. 0 ug/ml ii. 5 ug/m	3	3.724321				3.683921	3.7804151
		iii. 20 ug	3		9 0.036840	8 0.021270			4.4364284
		iv. 100 ug	3	4.92847		6 0.031743	-		4.9837233
	SOD	i. 0 ug/ml	3		3 0.034753				5.5711003
		ii. 5 ug/m	3	3.963281 3.567628					4.1110313
70		iii. 20 ug	3	2.652560					3.6622055
		iv. 100 ug	3	2.367270			2.6782973	-	2.6975514
SKOV-3	CAT	i. 0 ug/ml	3	3.892975		0.051914			2.4591693
		ii. 5 ug/m	3	3.529414	7 0.108096				3.966615
		iii. 20 ug	3	3.278322		0.079019			3.6537479
	C - Color of the Land	iv. 100 ug	3	2.297377					3.4268015
	GSR	i. 0 ug/ml	3	3.002257					2.33371
		ii. 5 ug/m	3	2.427701					3.0143553 2.4549655
		iii. 20 ug	3	2.2841653	0.0151058				2.2992447
		iv. 100 ug	3	1.7840822	0.0427295	0.0246699			1.8265993
	GST	i. 0 ug/ml	3	2.7222988	0.0512982		2.7422218		2.7606468
	-	ii. 5 ug/m	3	2.4610932	0.0675923				2.5071603
		iii. 20 ug	3	2.1321947		0.0639415	2.1839628		2.2075805
	MDO	iv. 100 ug	3	1.5233864					1.5854433
	MPO	i. 0 ug/ml	3	4.3390025	0.0414058		4.3382105		4.3807987
		ii. 5 ug/m	3	5.796017	0.0163462		5.8048022	5.7771567	5.806092
		iii. 20 ug iv. 100 ug	3	6.362497		0.0179619	6.3553159	6.3356047	3.3965705
	NO2	i. 0 ug/ml	3	6.9682174				6.9678257	5.9690008
		ii. 5 ug/m	3	4.0903869				4.0557163	1.1123665
	and the same of th	iii. 20 ug	3	4.7683444					1.3518403
	Manager Street	iv. 100 ug	3	5.2241662			4.760008		.8054472
	SOD	i. 0 ug/ml	3	4.6762514			5.2131917	5.199319	5.259988
		ii. 5 ug/m	3		0.1409147	0.0859759	4.6402739	4.5486216 4	.8398588
		iii. 20 ug	3	3 4742309	0.1798399	0.0073126	4.11/1963	4.1089426 4	.1338101
		iv. 100 ug	3	2.8485275	0.0898049	0.1030300		3.301734 3	.6606092
TOV-112	CAT	i. 0 ug/ml	3	3.9367605	0.0147273	0.0085028		2.7668072 2	.9446711
		ii. 5 ug/m	3	3.6047714		0.0040967	3.9307373 3.602053	3.9259994 3	.9535446
		iii. 20 ug	3	2.9234085	0.0367419			3.5994368 3	.6128243
		iv. 100 ug	3	2.3772379	0.1346644	0.0777486	2.4138648	2.8836208 2	4007000
	GSR	i. 0 ug/ml	3	2.3574049		0.0248698		2.228049 2 2.3141164 2	4000047
		ii. 5 ug/m	3	2.1636806		0.0068855	A CONTRACTOR OF THE PARTY OF TH	2.1499097 2	1705661
		iii. 20 ug	3	1.6028306	0.0239891	0.0138501			6266728
		iv. 100 ug	3	1.3281956	0.0169756	0.0098009		1.3085939 1.	3370065
	GST	i. 0 ug/ml	3	2.6358633			2.6594679	2 4990167 2	7491051
		ii. 5 ug/m	3	2.2357771	0.0874612	0.0504957	2.1940871	2.176961 2	3362834
		iii. 20 ug	3	1.5685321	0.1467886	0.0847485	1.5509007	1.4313555 1.	7233401
	MPO	iv. 100 ug	3	0.9064238	0.1433487	0.0827624	0.8519988	0.7982579 1.	0690147
	IVIPO	i. 0 ug/ml	3	3.8316651			3.8646319		3.975355
-		ii. 5 ug/m	3	4.7174873		0.0812739	4.7681843	4.5583901 4.	8258874
		iii. 20 ug iv. 100 ug	3			0.0430728	5.2271635 5	5.1655502 5.	3140439
	NO2	i. 0 ug/ml	3	6.4598527		0.0170376	6.4509143 6	6.4358452 6.4	4927986
		ii. 5 ug/m	3	3.8861832		0.0633411	3.8598702		0066571
		iii. 20 ug	3	4.5915294		0.0577432	4.5760383 4	.5001647 4.6	3983852
		iv. 100 ug	3		0.0619684	0.0357775	4.3112125 4	.2366457 4.3	3596617
	SOD	i. 0 ug/ml	3	5.1023523 5.0677115		0.0578885	5.1231695 4		1905754
-7.		ii. 5 ug/m	3	4 34704	-	0.0119519	5.0557596 5		0916152
Contract of the Contract of th		3		7.04/04	U. 17 U934/ 1	0.0987007	4.3431235 4	1780772 4 4	5199193
		iii. 20 ug	3	3.360278	0 1217664	0.0703019	3.33371 3	Contract of the last of the la	1931349

#### Mean Stol Med iar

					SA				
					: log2expPlu				
Cell_Line	Marker	exposure	N Obs	Mean	Std Dev	Std Error	Median	25th Pctl	75th Pct
A2780	CAT	i. 0 ug/ml	3	4.2574633	3.6874777	2.1289663	6.3314549	0	6.440935
		ii. 5 ug/m	3	5.9586593	0.1269159	0.0732749	6.0147182	5.8133665	6.047893
		iii. 20 ug	3	5.4206681	0.1545027	0.0892022	5.4420085	5.2566045	5.563391
		iv. 100 ug	3	3.3871439	0.1580791	0.091267	3.3030442	3.2888925	3.569494
	GSR	i. 0 ug/ml	3	2.9264839	0.0560937	0.0323857	2.9565767	2.8617654	2.961109
		ii. 5 ug/m	3	1.8449006	0.5332502	0.3078721	2.1104274	1.2310163	2.193258
		iii. 20 ug	3	2.6310649	0.1962989	0.1133332	2.5669484	2.4748412	2.851404
100		iv. 100 ug	3	1.9299141	0.1596065	0.0921488	1.9115039	1.780311	2.097927
	GSTp1	i. 0 ug/ml	3	5.7815173	0.592863	0.3422896	5.6515447	5.2644238	6.428583
		ii. 5 ug/m	3	5.2209741	0.0698484	0.040327	5.2357195	5.1449303	5.28227
		iii. 20 ug	3	4.4893251	0.200935	0.1160099	4.5497155	4.2651206	4.65313
		iv. 100 ug	3	2.864807	0.1177024	0.0679555	2.9145098	2.7304062	2.94950
	MPO	i. 0 ug/ml	3	0.1695431	0.0354213	0.0204505	0.1615308	0.1388142	0.20828
		ii. 5 ug/m	3	0.3337243	0.043782	0.0252776	0.3514984	0.2838504	0.36582
		iii. 20 ug	3	0.4814097	0.0205819	0.0118829	0.4910932	0.4577721	0.49536
		iv. 100 ug	3	0.9288378	0.0655643	0.0378536	0.9442591	0.8569375	0.9853
	SOD3	i. 0 ug/ml	3	1.6356913	0.0687084	0.0396688	1.6205848	1.5757932	1.71069
		ii. 5 ug/m	3	1.3851168	0.0391983	0.0226312	1.3644345	1.3605913	1.43032
		iii. 20 ug	3	1.0724011	0.0370578	0.0213953	1.087577	1.0301642	1.0994
		iv. 100 ug	3	0.571832	0.0450738	0.0260234	0.5822635	0.522457	0.61077
	iNOS	i. 0 ug/ml	3	2.6881765	0.0984259	0.0568262	2.6911032	2.5883199	2.78510
		ii. 5 ug/m	3	3.2130977	0.0487256	0.0380202	3.1855487	3.1843872	3.26935
		iii. 20 ug	3	4.1128539	0.0650274	0.0375436	4.0981837	4.0564148	4.18396
		iv. 100 ug	3	4.5493201	0.0334892	0.019335	4.5523704	4.51441	4.58117
EL1	CAT	i. 0 ug/ml	3	6.3300792	1.0158524	0.5865026	6.8414955	5.1601522	6.98858
LL!	OAT	ii. 5 ug/m	3	6.4719538	0.2664051	0.153809	6.4819999	6.2006678	6.73319
		iii. 20 ug	3	5.8725758	0.0690101	0.039843	5.8562776	5.8131736	5.94827
		iv. 100 ug	3	5.2392866	0.172504	0.0995952	5.2924379	5.0464616	5.37896
	GSR	i. 0 ug/ml	3	5.1198603	0.2068003	0.1193962	5.0403859	4.9645866	5.35460
-	GSK		3			0.3016452	4.4293835	3.5931864	4.55395
		ii. 5 ug/m		4.1921745	0.5224649	The second secon		2.166219	2.36463
		iii. 20 ug	3	2.2632358	0.0992817	0.0573203 0.0651927	2.2588513 2.6324997	2.5099835	2.73553
	CCT-4	iv. 100 ug	3	2.6260068	0.112917			5.3048777	5.35489
	GSTp1	i. 0 ug/ml	3	5.3269582	0.0255202	0.0147341	5.3210982		
		ii. 5 ug/m	3	4.3978426	0.3052705	0.176248	4.4171413	4.0833807	4.69300
		iii. 20 ug	3	4.7882778	0.0915836	0.0528758	4.8217331	4.6846702	4.85842
	MDO	iv. 100 ug	3	4.6385363	0.3957429	0.2284823	4.47636	4.3496426	5.08960
	MPO	i. 0 ug/ml	3	0.590605	0.0020024	0.0011561	0.5916646	0.5882954	0.5918
		ii. 5 ug/m	3	0.4965263	0.1202534	0.0694283	0.5295436	0.3632133	0.59682
		iii. 20 ug	3	0.7353674	0.034122	0.0197003	0.7317707	0.7031862	0.77114
	2000	iv. 100 ug	3	2.6882919	0.1356558	0.0783209	2.7400205	2.5343823	2.7904
	SOD3	i. 0 ug/ml	3	1.9403529	0.0038349	0.0022141	1.9423824	1.9359298	1.94274
		ii. 5 ug/m	3	1.782667	0.0262256	0.0151413	1.7894473	1.753717	1.80483
		iii. 20 ug	3	1.402393	0.0115761	0.0066835	1.4011151	1.3915089	1.41455
		iv. 100 ug	3	1.0514554			1.0329162	1.0218349	1.0996
	iNOS	i. 0 ug/ml	3	1.1485613			1.1221945	1.1188138	1.20467
		ii. 5 ug/m	3	1.8412055		0.029833	1.822735	1.8013068	1.89957
		iii. 20 ug	3	3.0092736		0.0243223	3.0097882	2.9668911	3.05114
		iv. 100 ug	3	4.5040677		0.0373175	4.5045345	4.4391998	4.56846
FT33	CAT	i. 0 ug/ml	3	5.9332377	0.1536457	0.0887074	5.9078581	5.793862	6.0979
		ii. 5 ug/m	3	5.5351585	0.030892	0.0178355	5.523883	5.5114881	5.57010
		iii. 20 ug	3	4.9708572	0.0418055	0.0241364	4.9772722	4.926215	5.00908
		iv. 100 ug	3	2.4514373	MANAGEMENT TO THE REAL PROPERTY.	0.0745902	2.5223921	2.3023151	2.52960
	GSR	i. 0 ug/ml	3	3.5339647	0.0598797	0.0345715	3.504263	3.4947421	3.60288
		ii. 5 ug/m	3	2.8607994	0.0235767	0.013612	2.8650113	2.8354007	2.88198
		iii. 20 ug	3	2.0278518		0.0167776	2.0378526	1.9951124	2.05059
V. Lynn	and the same	iv. 100 ug	3	1.8968547	0.0231513	0.0133664	1.8984466	1.8729485	1.9191
	GSTp1	i. 0 ug/ml	3	4.7361471	0.107903	0.0622978	4.7079212	4.6451624	4.85535
		ii. 5 ug/m	3	4.327875	0.1985287	0.1146206	4.4131073	4.1009622	4.46955
		iii. 20 ug	3	4.1330676		0.0463009	4.1048166	4.0708207	4.22356
		iv. 100 ug	3	3.7795494		0.0333619	3.7815482	3.7207913	3.83630
	MPO	i. 0 ug/ml	3	0.1080559		0.0050462	0.1056055	0.1008025	0.11775
X-1-1-1/2		ii. 5 ug/m	3	0.1422642	0.0022615	0.0013057	0.1421418	0.1400664	0.14458
		iii. 20 ug	3	0.0365338		0.0029216	0.0377899	0.0309636	0.04084
		iv. 100 ug	3	0.0562339		0.0016672	0.0576544	0.052911	0.05813
	SOD3	i. 0 ug/ml	3	1.5787641		0.0342053	1.6055748	1.5108529	1.61986
	5055	ii. 5 ug/m	3	1.2077143		0.0342033	1.2189842	1.1437785	1.26038
SILE SUSPENSION		iii. 20 ug	3	1.1026223		0.0341284	1.1148175	1.015765	1.17728
-		iv. 100 ug	3			0.0470237	0.2790651	0.2625588	0.27930
	iNOS			0.2736437	0.0096006				
	iNOS	i. 0 ug/ml ii. 5 ug/m	3	2.1834173 3.0461442		0.00956 0.0331482	2.184654 3.0523119	2.1662753 2.9858951	2.19932 3.10022
		III 6 HOURS			11116/11112	11113311120	4 HB 731101		< 10022

TOWN TO THE TOTAL TO	1	I is 400	•	1 4 000 4007	0.0474504				
NOE	CAT	iv. 100 ug i. 0 ug/ml	3	4.3384287	0.0174581			4.3232772	
NOE	CAI	ii. 5 ug/m		6.7716206	0.013433		6.7743003	6.7570498	
	<u> </u>	iii. 20 ug	3	5.1019337 4.2849863	0.1200419 0.197989		5.0744766	4.9979991	
		iv. 100 ug	3	2.4565889	0.197989		4.3209484	4.0714811	
	GSR	i. 0 ug/ml	3	3.494584	0.0742726		2.438142	2.3932782	
	John	ii. 5 ug/m	3	3.2496606	0.2901599	-	3.5123609 3.3439705	3.4198952	-
		iii. 20 ug	3	2.4497142	0.2501399		2.4748103	2.924078 2.2820734	
		iv. 100 ug	3	2.3945716	0.0941968		2.4130934	2.2924896	
	GSTp1	i. 0 ug/ml	3	6.3242069	0.0941908		6.3136459	6.2886139	
		ii. 5 ug/m	3	5.8542165	0.0546727	0.0241619	5.8698997	5.7934162	6.37036 5.89933
		iii. 20 ug	3	4.9553189	0.1116465		4.9305681	4.8581248	5.07726
		iv. 100 ug	3	3.5904539	0.0051691	0.0029844	3.591323	3.5849054	
	MPO	i. 0 ug/ml	3	0.1295906	0.0072796	0.0023044	0.128816	0.1227292	0.13722
		ii. 5 ug/m	3	0.0362084	0.0013902		0.0364896	0.0346991	0.13722
		iii. 20 ug	3	0.0595687	0.0059828	0.0034542	0.0565222	0.0557223	0.06646
		iv. 100 ug	3	0.0897481	0.0032252	0.0018621	0.0898807	0.0864586	0.00040
	SOD3	i. 0 ug/ml	3	1.6738695	0.0447064	0.0258113	1.6922109	1.6229094	1.70648
		ii. 5 ug/m	3	1.47609	0.0516773	0.0298359	1.4920505	1.4183153	1.51790
		iii. 20 ug	3	1.1836494	0.0408426	0.0235805	1.20437	1.1365998	1.20997
		iv. 100 ug	3	0.6498753	0.0215272	0.0124287	0.6443161	0.6316729	0.67363
	iNOS	i. 0 ug/ml	3	2.8443782	0.043948	0.0253734	2.8627272	2.7942292	2.87617
		ii. 5 ug/m	3	3.5390046	0.0471559	0.0272254	3.5516972	3.4868014	3.5785
		iii. 20 ug	3	4.0982555	0.0313536	0.018102	4.0809164	4.0794012	4.13444
		iv. 100 ug	3	4.7720961	0.0576565	0.033288	4.791697	4.7071946	4.81739
SKOV3	CAT	i. 0 ug/ml	3	6.2349114	0.0800568	0.0462208	6.1902817	6.1871175	6.3273
		ii. 5 ug/m	3	5.1019337	0.1200419	0.0693062	5.0744766	4.9979991	5.23332
		iii. 20 ug	3	4.2849863	0.197989	0.114309	4.3209484	4.0714811	4.46252
	last the same and	iv. 100 ug	3	2.299037	1.0279868	0.5935084	2.8653202	1.1124302	2.91936
	GSR	i. 0 ug/ml	3	3.494584	0.0675773	0.0390158	3.5123609	3.4198952	3.55149
	3	ii. 5 ug/m	3	3.2496606	0.2901599	0.1675239	3.3439705	2.924078	3.48093
		iii. 20 ug	3	2.4497142	0.1566082	0.0904178	2.4748103	2.2820734	2.5922
		iv. 100 ug	3	2.3945716	0.0941968	0.0543846	2.4130934	2.2924896	2.47813
	GSTp1	i. 0 ug/ml	3	6.9973966	0.0983728	0.0567955	6.9492458	6.9323747	7.11056
		ii. 5 ug/m	3	6.3242069	0.0418843	0.0241819	6.3136459	6.2886139	6.37036
		iii. 20 ug	3	5.4134255	0.074402	0.042956	5.4350046	5.3306191	5.47465
		iv. 100 ug	3	5.0327546	0.0887407	0.0512345	5.0772639	4.9305681	5.09043
	MPO	i. 0 ug/ml	3	0.0691673	0.0126831	0.0073226	0.0632442	0.0605294	0.08372
		ii. 5 ug/m	3	0.1206415	0.0148581	0.0085783	0.128816	0.103491	0.12961
		iii. 20 ug	3	0.304674	0.0379414	0.0219055	0.3196048	0.2615385	0.33287
		iv. 100 ug	3	0.8643402	0.18529	0.1069772	0.9375621	0.6536279	1.001830
	SOD3	i. 0 ug/ml	3	1.6647907	0.0693283	0.0400267	1.6266476	1.6229094	1.7448
		ii. 5 ug/m	3	1.4793007	0.0463265	0.0267466	1.4857385	1.430092	1.52207
		iii. 20 ug	3	1.1773978	0.1118808	0.0645944	1.2283631	1.0491085	1.25472
	*****	iv. 100 ug	3	0.5292229	0.1245649	0.0719176	0.5776365	0.3877194	0.622312
	iNOS	i. 0 ug/ml	3	2.9574573	0.0279231	0.0161214	2.9656585	2.926352	2.98036
		ii. 5 ug/m	3	3.7412353	0.0213938	0.0123517	3.749426	3.7169563	3.757323
		iii. 20 ug	3	4.3598372	0.0494917	0.028574	4.3573902	4.3116144	4.41050
TOV112	CAT	iv. 100 ug	3	4.7566821	0.1622307	0.093664	4.6696177	4.6565702	4.94385
101112	CAI	i. 0 ug/ml	3	5.9325442	0.2328765	0.1344513	5.982594	5.6787121	6.136326
-		ii. 5 ug/m	3	5.5465926	0.0223311	0.0128929	5.5472347	5.5239473	5.56859
		iii. 20 ug iv. 100 ug	3	4.9538929	0.0387127	0.0223508	4.9463705	4.9194934	4.995814
	GSR	i. 0 ug/ml	3	2.1420073	0.6212806	0.3586965	2.1110408	1.5367891	2.778192
	331	ii. 5 ug/m	3	3.5339647 2.8607994	0.0598797	0.0345715	3.504263	3.4947421	3.602888
-		iii. 20 ug	3	2.8607994	0.0235767	0.013612 0.0167776	2.8650113	2.8354007	2.881986
		iv. 100 ug	3	1.8968547	0.0290597	0.0167776	2.0378526	1.9951124	2.050590
200 E 100	GSTp1	i. 0 ug/ml	3	5.2904247	0.2022888	0.0133664	1.8984466 5.3850267	1.8729485 5.0581679	1.91916
		ii. 5 ug/m	3	5.0424775	0.2022888	0.0010905	5.0427937	5.0404505	5.428079
		iii. 20 ug	3	4.7361471	0.107903	0.0622978	4.7079212	4.6451624	4.855357
	T	iv. 100 ug	3	3.6942247	0.3135182	0.0022978	3.8317863	3.3354416	3.91544
	MPO	i. 0 ug/ml	3	0.2017849	0.0284656	0.0164346	0.1910605	0.1802392	0.234054
		ii. 5 ug/m	3	0.4599654	0.0232861	0.0134442	0.4592672	0.4370363	0.483592
	UNIS TERRORIES	iii. 20 ug	3	0.8324438	0.050639	0.0292364	0.8104804	0.7964946	0.483392
		iv. 100 ug	3	1.0260856	0.0144816	0.008361	1.0231644	1.0132873	1.041805
	SOD3	i. 0 ug/ml	3	1.5117596	0.1226454	0.0708093	1.4920118	1.4001863	1.643080
		ii. 5 ug/m	3	1.2403551	0.0442127	0.0255262	1.2624133	1.1894533	1.269198
		iii. 20 ug	3	1.1290264	0.0969399	0.0559683	1.1305428	1.0313372	1.225199
	ur ministration	iv. 100 ug	3	0.2597342	0.0132534	0.0076519	0.2570575	0.2480234	0.274121
	inos	i. 0 ug/ml	3	2.1677451	0.0419739	0.0242337	2.1804552	2.1208851	2.201894
		ii. 5 ug/m	3	3.0249777	0.1401724	0.0809286	3.0523119	2.8731515	3.149469
		iii. 20 ug	3	3.7687098	0.049076	0.028334	3.7439537	3.7369426	3.825233
		iv. 100 ug	3				4.2626797	4.2223657	4.369157

-Non-parametric Kruskal - Wallis test for differences in distributions of

each marker by exposure group;
P<0.05 indicates to reject the null hypothers that there is no differented in expression among the four exposure groups.

		PCR		ELISA						
Cell_Line	Marker	Kruskal- Wallis	Nominal P-value, Kruskal-Wallis Test	Cell_Line	Marker	Kruskal- Wallis	Nominal P- value, Kruskal- Wallis Test			
A2780	CAT	4.85	0.18	A2780	CAT	9.67	0.02			
	GSR	9.46	0.02		GSR	10.61	0.01			
	GSTp1	9.97	0.02		GST	10.42	0.02			
	МРО	10.38	0.02		МРО	10.38	0.02			
	SOD3	10.38			NO2	10.38	0.02			
	iNOS	10.38			SOD	10.38	0.02			
EL1	CAT	5.67	0.13	EL-1	CAT	10.38	0.02			
	GSR	10.38	0.02		GSR	10.42	0.02			
	GSTp1	7.51	0.06		GST	10.38	0.02			
	МРО	9.46			МРО	10.38	0.02			
	SOD3	10.38			NO2	10.38	0.02			
	iNOS	10.38			SOD	10.42	0.02			
FT33	CAT	10.38		FT33	CAT	10.38	0.0			
	GSR	10.38			GSR	10.42	0.0			
	GSTp1	9.67			GST	10.38	0.0			
	MPO	10.38			MPO	8.07	0.04			
	SOD3	9.97			NO2	10.38	0.0			
	iNOS	10.38			SOD	10.38	0.0			
NOE	CAT	10.38		NOE	CAT	10.38	0.0			
	GSR	8.95			GSR	10.38	0.0			
	GSTp1	10.38			GST	10.38	0.0			
	MPO	10.38			MPO	6.59	0.0			
	SOD3	10.38			NO2	10.38	0.0			
	iNOS	10.38			SOD	10.38	0.0			
SKOV3	CAT	10.38		SKOV-3	CAT	10.38	0.0			
	GSR	8.95			GSR	10.42	0.0			
	GSTp1	10.38			GST	10.38	0.0			
	MPO	10.38			MPO	10.42	0.0			
	SOD3	10.38			NO2	10.38	0.0			
	iNOS	10.38			SOD	10.38	0.0			
TOV112	CAT	10.38		TOV-112	CAT	10.38	0.0			
	GSR	10.38			GSR	10.46	0.0			
	GSTp1	10.38			GST	10.38	0.0			
	MPO	10.38		1	MPO	10.38				
	SOD3	9.97			NO2	10.38				
	iNOS	10.38		t	SOD	10.42				

Note: The data examined were log2 transformed after adding a numeric constant ('1') to avoid negative SAED000093(color) transformed expression values; the Kruskal-Wallis test had 3 degrees of freedom.



General Linear

model

results

PCR

Differen	ces hy						PCR				
	Differences by exposure :		No	minal p-valu	201			Tukey	-Kramer Adj	usted	
Cell_Line		1/i				iv. 100 ug	i/i			iii. 20 ug	iv. 100 u
A2780		i. 0 ug/ml		0.2923	0.463		i. 0 ug/ml		0.6843	0.8654	0.936
A2780	CAT	ii. 5 ug/m	0.2923		0.7307	Service Servic	ii. 5 ug/m	0.6843		0.9834	0.381
A2780	CAT	iii. 20 ug	0.463	0.7307		A RESIDENCE OF THE PARTY OF THE	iii. 20 ug	0.8654	0.9834		0.5614
A2780	CAT	iv. 100 ug	0.58	0.1268	0.2147		iv. 100 ug	0.9363	0.3812	0.5614	
A2780	GSR	i. 0 ug/ml		0.0021	0.257	0.0034	i. 0 ug/ml		0.009	0.6321	0.014
A2780	GSR	ii. 5 ug/m	0.0021		0.0117	0.7345	ii. 5 ug/m	0.009		0.0469	0.984
A2780	GSR	iii. 20 ug	0.257	0.0117		0.02	iii. 20 ug	0.6321	0.0469	_	0.07
A2780	GSR	iv. 100 ug	0.0034	0.7345	0.02		iv. 100 ug	0.0142	0.9841	0.077	_
A2780	GSTp1	i. 0 ug/ml		0.0645	0.0011	<.0001	i. 0 ug/ml	_	0.2189	0.005	<.0001
A2780	GSTp1	ii. 5 ug/m	0.0645	_	0.0233	<.0001	ii. 5 ug/m	0.2189	_	0.0886	
A2780	GSTp1	iii. 20 ug	0.0011	0.0233	_	0.0003	iii. 20 ug	0.005	0.0886	-	0.001
A2780	GSTp1	iv. 100 ug	<.0001	<.0001	0.0003	-	iv. 100 ug	<.0001	<.0001	0.0012	
A2780	МРО	i. 0 ug/ml	_	0.0019	<.0001	<.0001	i. 0 ug/ml	_	0.0084	0.0001	
A2780	MPO	ii. 5 ug/m	0.0019	_		<.0001	ii. 5 ug/m	0.0084	_	0.0151	
A2780	MPO	iii. 20 ug	<.0001	0.0036	A STATE OF THE PARTY OF THE PAR	<.0001	iii. 20 ug	0.0001	0.0151		<.0001
A2780	MPO	iv. 100 ug	<.0001	<.0001	<.0001	-	iv. 100 ug	<.0001	<.0001	<.0001	_
A2780	SOD3	i. 0 ug/ml	-	0.0002	<.0001	<.0001	i. 0 ug/ml	_	0.0011	<.0001	<.0001
A2780	SOD3	ii. 5 ug/m	0.0002	_	<.0001	<.0001	ii. 5 ug/m	0.0011	_	0.0002	<.0001
A2780	SOD3	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug	<.0001	0.0002	The back of the latest and the lates	<.0001
A2780	SOD3	iv. 100 ug	<.0001	<.0001	<.0001	_	iv. 100 ug	<.0001	<.0001	<.0001	-
A2780	INOS	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
A2780	iNOS	ii. 5 ug/m	<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001		<.0001	<.0001
A2780	iNOS	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	<.0001	_	0.0002
A2780	iNOS	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	0.0002	_
EL1	CAT	i. 0 ug/ml		0.7529	0.3241	0.0366	i. 0 ug/ml	-	0.9872	0.7265	0.1334
EL1	CAT	ii. 5 ug/m	0.7529	_	0.2059	0.0221	ii. 5 ug/m	0.9872		0.5456	0.0844
EL1	CAT	iii. 20 ug	0.3241	0.2059		0.1839	iii. 20 ug	0.7265	0.5456		0.5038
EL1	CAT	iv. 100 ug	0.0366	0.0221	0.1839	_	iv. 100 ug	0.1334	0.0844	0.5038	
EL1	GSR	i. 0 ug/ml	_	0.0045	<.0001	<.0001	i. 0 ug/ml		0.0189	<.0001	<.0001
EL1	GSR	ii. 5 ug/m	0.0045		<.0001	0.0002	ii. 5 ug/m	0.0189		0.0002	0.0008
EL1	GSR	iii. 20 ug	<.0001	<.0001		0.1651	iii. 20 ug	<.0001	0.0002		0.4659
EL1	GSR	iv. 100 ug	<.0001	0.0002	0.1651		iv. 100 ug	<.0001	0.0008	0.4659	
EL1	GSTp1	i. 0 ug/ml		0.0021	0.0319	0.0106	i. 0 ug/ml		0.0089	0.118	0.0427
EL1	GSTp1	ii. 5 ug/m	0.0021		0.0969	Annual State of State	ii. 5 ug/m	0.0089		0.3077	0.6667
EL1	GSTp1	iii. 20 ug	0.0319	0.0969			iii. 20 ug	0.118	0.3077		0.8861
EL1	GSTp1	iv. 100 ug	0.0106	0.2799	0.4915		iv. 100 ug	0.0427	0.6667	0.8861	
EL1	MPO	i. 0 ug/ml		0.2469		<.0001	i. 0 ug/ml		0.6161	- Annual Control of the Control of t	<.0001
EL1	MPO	ii. 5 ug/m	0.2469		The second desired by the second second second	<.0001	ii. 5 ug/m	0.6161			<.0001
EL1	MPO	iii. 20 ug	0.0908	0.0132	0.0202	<.0001	iii. 20 ug	0.2917	0.0522		<.0001
EL1	MPO	iv. 100 ug	<.0001	<.0001	<.0001	40001	iv. 100 ug	<.0001	<.0001	<.0001	
EL1	SOD3	i. 0 ug/ml	1.0002	<.0001	<.0001	<.0001	i. 0 ug/ml	10002		<.0001	<.0001
EL1	SOD3	ii. 5 ug/m	<.0001		<.0001	<.0001	ii. 5 ug/m	0.0003		<.0001	<.0001
EL1	SOD3	iii. 20 ug	<.0001	<.0001	4.0001	<.0001	iii. 20 ug	<.0001	<.0001	10002	<.0001
EL1	SOD3	iv. 100 ug	<.0001	<.0001	<.0001	4.0001	iv. 100 ug	<.0001	<.0001	<.0001	
EL1	iNOS	i. 0 ug/ml	4.0001	<.0001	<.0001	<.0001	i. 0 ug/ml	4.0001	<.0001	<.0001	<.0001
EL1	iNOS	ii. 5 ug/m	<.0001	4.0001	<.0001	<.0001	ii. 5 ug/m	<.0001	4.0001	<.0001	<.0001
EL1	iNOS	iii. 20 ug	<.0001	<.0001	V.0001	<.0001	iii. 20 ug	<.0001	<.0001	4.0001	<.0001
EL1	iNOS	iv. 100 ug		<.0001	<.0001		iv. 100 ug	Page 10 hours have a recommended	<.0001	<.0001	
FT33	CAT	i. 0 ug/ml			<.0001	<.0001	i. 0 ug/ml			<.0001	<.0001
FT33	CAT	ii. 5 ug/m	0.0015		AND DESCRIPTION OF THE PARTY OF	<.0001	ii. 5 ug/m	0.0067	The second second	0.0007	Committee Commit
FT33	CAT	iii. 20 ug	<.0001	0.0002		<.0001	iii. 20 ug	<.0001	0.0007		<.0001
FT33	CAT	iv. 100 ug	Name and Address of the Owner, when the Owner, which t	<.0001	<.0001	~.0001	iv. 100 ug	<.0001	<.0001	<.0001	1.0001
FT33	GSR	i. 0 ug/ml	0001	<.0001	<.0001	<.0001	i. 0 ug/ml	0001	<.0001	<.0001	<.0001
FT33	GSR	ii. 5 ug/m	<.0001	~.0001	<.0001	<.0001	ii. 5 ug/m	<.0001	- 0001	<.0001	<.0001
		iii. 20 ug	-	< 0001	1.0001	-	iii. 20 ug	-	<.0001	1.0001	0.010
FT33	GSR	iv. 100 ug	<.0001	<.0001	0.0026	The second second second second	iv. 100 ug	<.0001	<.0001	0.0109	- Committee of the Comm
FT33	GSR CST-1		1,0001	<.0001	0.0026	a management with the common territory		<.0001		A STATE OF THE PARTY OF THE PAR	-
FT33	GSTp1	i. 0 ug/ml	0.0007	0.0037	and the second s	<.0001	i. 0 ug/ml	0.0155	0.0155	No. of Concession, Name of Street, or other Designation of Str	<.0001
FT33	GSTp1	ii. 5 ug/m	0.0037	A Transmission of the latest and the	0.0891		ii. 5 ug/m	0.0155		0.2871	0.0000000000000000000000000000000000000
FT33	GSTp1	iii. 20 ug	0.0003		The state of the s		iii. 20 ug	0.0015	The second second second second	AND DESCRIPTION OF THE PARTY.	0.032
FT33	GSTp1	iv. 100 ug	<.0001	0.0006		-	iv. 100 ug	<.0001	0.0027		-
FT33	MPO	i. 0 ug/ml	- 0000	<.0001	<.0001	<.0001	i. 0 ug/ml	- 0.0000		<.0001	<.0001
FT33	MPO	ii. 5 ug/m	<.0001	-	<.0001	<.0001	ii. 5 ug/m	0.0002	-	<.0001	<.0001
FT33	MPO	iii. 20 ug	<.0001	<.0001	_	The second second	iii. 20 ug	<.0001	<.0001	_	0.008
FT33	MPO	iv. 100 ug	<.0001	<.0001	0.002	-	iv. 100 ug	<.0001	<.0001	0.0087	-
FT33	SOD3	i. 0 ug/ml	-	<.0001	<.0001	<.0001	i. 0 ug/ml		-	<.0001	<.0001
FT33	SOD3	ii. 5 ug/m	Beautiful property and the second	_	The second second second second second	<.0001	ii. 5 ug/m	0.0003	100		<.0001
FT33	SOD3	iii. 20 ug	<.0001	0.0593	The second second second	<.0001	iii. 20 ug	<.0001	0.2036	AND RESIDENCE AND ADDRESS OF THE PARTY.	<.0001
FFAA	SOD3	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	_
FT33 FT33	iNOS	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001

Cell_Line	Marker	R-Square
A2780	CAT	0.305705
A2780	GSR	0.782237
A2780	GSTp1	0.946095
A2780	MPO	0.983782
A2780	SOD3	0.989886
A2780	iNOS	0.994602
EL1	CAT	0.549452
EL1	GSR	0.959807
EL1	GSTp1	0.729358
EL1	MPO	0.993123
EL1	SOD3	0.996368
EL1	iNOS	0.99887
FT33	CAT	0.996113
FT33	GSR	0.997913
FT33	GSTp1	0.921688
FT33	MPO	0.989101
FT33	SOD3	0.990037
FT33	iNOS	0.998659
NOE	CAT	0.995919
NOE	GSR	0.919797
NOE	GSTp1	0.99736
NOE	MPO	0.986383
NOE	SOD3	0.992441
NOE	iNOS	0.997207
SKOV3	CAT	0.917328
SKOV3	GSR	0.919797
SKOV3	GSTp1	0.993049
SKOV3	MPO	0.942852
SKOV3	SOD3	0.969597
SKOV3	iNOS	0.989288
TOV112	CAT	0.967695
TOV112	GSR	0.997913
TOV112	GSTp1	0.936306
TOV112	MPO	0.993337
TOV112	SOD3	0.980254
TOV112	iNOS	0.992318

Land Comment	PCR "	Tyle
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FT33	iNOS	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug	<.0001	<.0001		<.0001
FT33	inos	iv. 100 ug		<.0001	<.0001	_	iv. 100 ug	<.0001	<.0001	<.0001	
NOE	CAT	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
NOE	CAT	ii. 5 ug/m	<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001		0.000	2 <.0001
NOE	CAT	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug	<.0001	0.000	THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	<.0001
NOE	CAT	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	10000
NOE	GSR	i. 0 ug/ml		0.124	4 <.0001	<.0001	i. 0 ug/ml		0.375	- Performance of Colorada and Colorada	4 0.000
NOE	GSR	ii. 5 ug/m	0.124		0.000		ii. 5 ug/m		THE R. LEWIS CO., LANSING, SALES	0.002	ten emmercial and a section of
NOE	GSR	iii. 20 ug	<.0001	0.000			iii. 20 ug	0.000		The state of the s	0.001
NOE	GSR	iv. 100 ug		0.000				The second secon	The second second second	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	The second second second
NOE	GSTp1	i. 0 ug/ml	4.0001	<.0001	THE RESERVE THE PERSON NAMED IN	100	iv. 100 ug	The same of the sa	-	THE RESERVE OF THE PARTY OF THE	Torrandon and the same of the
NOE	GSTp1	ii. 5 ug/m	- 0001	<.0001	<.0001	<.0001	i. 0 ug/ml	-		1 <.0001	<.0001
AND DESCRIPTION OF THE PERSON NAMED IN	The second second		-	-	<.0001	<.0001	ii. 5 ug/m	THE RESIDENCE OF THE PARTY OF T	-	<.0001	<.0001
NOE	GSTp1	iii. 20 ug	<.0001	<.0001	-	<.0001	iii. 20 ug	<.0001	<.0001	-	<.0001
NOE	GSTp1	iv. 100 ug	<.0001	<.0001	<.0001	_	iv. 100 ug	<.0001	<.0001	<.0001	
NOE	MPO	i. 0 ug/ml	_	<.0001	<.0001	<.0001	i. 0 ug/ml	-	<.0001	<.0001	<.0001
NOE	MPO	ii. 5 ug/m	<.0001	_	0.0005	5 <.0001	ii. 5 ug/m	<.0001		0.0021	1 <.0001
NOE	MPO	iii. 20 ug	<.0001	0.000	5 _	<.0001	iii. 20 ug	<.0001	0.002	L	0.0004
NOE	MPO	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	0.0004	The second second
NOE	SOD3	i. 0 ug/ml		0.0004	4 <.0001	<.0001	i. 0 ug/ml		The state of the latest and the state of the	7 <.0001	<.0001
NOE	SOD3	ii. 5 ug/m	0.0004		<.0001	<.0001	ii. 5 ug/m	0.0017	7		<.0001
NOE	SOD3	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	0.000		The second second second
NOE	SOD3	iv. 100 ug	Printed Street Street Street Street	The second second	- 0001	<.0001		<.0001	0.0003	-	<.0001
NOE	iNOS	i. 0 ug/ml	10001	<.0001	<.0001	-	iv. 100 ug	<.0001	<.0001	<.0001	-
PRODUCTION OF THE PARTY OF			- 0000	<.0001	<.0001	<.0001	i. 0 ug/ml	_	<.0001	<.0001	<.0001
NOE	iNOS	ii. 5 ug/m	<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001	_	<.0001	<.0001
NOE	inos	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug	<.0001	<.0001		<.0001
NOE	iNOS	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	-
SKOV3	CAT	i. 0 ug/ml		0.0304	0.002	2 <.0001	i. 0 ug/ml		0.1127	A STATE OF THE PARTY OF THE PAR	<.0001
SKOV3	CAT	ii. 5 ug/m	0.0304	1	0.0949	The second section is a second second second	ii. 5 ug/m	0.1127		0.3024	-
SKOV3	CAT	iii. 20 ug	0.002	0.0949			iii. 20 ug	0.0084	-	(A)	0.0076
SKOV3	CAT	iv. 100 ug		0.0002	-		iv. 100 ug		The second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a second section of the second section is not a section of the second section is not a section of the second section is not a section of the sect	THE RESERVE OF THE PERSON	-
sкоv3	GSR	i. 0 ug/ml		The state of the s	<.0001	<.0001		<.0001	0.0009		
SKOV3	GSR	ii. 5 ug/m	0.1244		-	The state of the s	i. 0 ug/ml	-	0.3756	A STATE OF THE PARTY OF T	The second second
Statement and the statement of the last			and the second of the second of		0.0005		ii. 5 ug/m	0.3756	-	0.0023	
SKOV3	GSR	iii. 20 ug	<.0001	0.0005	-	The second second second	iii. 20 ug	0.0004	0.0023	_	0.979
SKOV3	GSR	iv. 100 ug	<.0001	0.0003	0.7092		iv. 100 ug	0.0003	0.0015	0.979	
SKOV3	GSTp1	i. 0 ug/ml	_	<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
SKOV3	GSTp1	ii. 5 ug/m	<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001		<.0001	<.0001
SKOV3	GSTp1	iii. 20 ug	<.0001	<.0001		0.0004	iii. 20 ug	<.0001	<.0001		0.0016
SKOV3	GSTp1	iv. 100 ug	<.0001	<.0001	0.0004		iv. 100 ug	NAME OF TAXABLE PARTY.	<.0001	0.0016	-
SKOV3	MPO	i. 0 ug/ml		0.5259	The second second	<.0001	i. 0 ug/ml		0.908	THE RESERVE ASSESSMENT AND ADDRESS OF THE PARTY OF THE PA	<.0001
SKOV3	МРО	ii. 5 ug/m	0.5259			<.0001	ii. 5 ug/m	- 0.000	Contract to the second of the second		
SKOV3	MPO	iii. 20 ug	0.0162	100	THE RESERVE TO SHAREST PROPERTY.	The state of the last of the l		0.908	The second second		<.0001
SKOV3			THE SHOW OF THE RESIDENCE		The second second	<.0001	iii. 20 ug	0.0634		1	0.0004
	MPO		<.0001	<.0001	<.0001	_	iv. 100 ug	<.0001	<.0001	0.0004	_
SKOV3	SOD3	i. 0 ug/ml	-	0.0413	0.0002	<.0001	i. 0 ug/ml	_	0.1483	0.001	<.0001
SKOV3	SOD3	ii. 5 ug/m	0.0413	-	0.0042	<.0001	ii. 5 ug/m	0.1483	_	0.0177	<.0001
SKOV3	SOD3	iii. 20 ug	0.0002	0.0042	_	<.0001	iii. 20 ug	0.001	0.0177		0.0001
SKOV3	SOD3	iv. 100 ug	<.0001	<.0001	<.0001	Ec.	iv. 100 ug	<.0001	<.0001	0.0001	
SKOV3	iNOS	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
SKOV3	iNOS	ii. 5 ug/m	<.0001		<.0001	<.0001	ii. 5 ug/m	<.0001	4.0001	0.0001	PROPERTY AND ADDRESS OF THE PARTY OF THE PAR
SKOV3	iNOS	iii. 20 ug	<.0001	<.0001		THE RESIDENCE OF THE PARTY OF T	iii. 20 ug	<.0001	0.0001		The second second second second second
SKOV3	iNOS	iv. 100 ug		<.0001	0.0005			-	0.0001	-	0.0022
TOV112	CAT	i. 0 ug/ml	V.0001	-	The Second State of the Second	-		<.0001	<.0001	0.0022	C. I cross with the same of th
TOV112			0.000	0.1929	The second second second second second	<.0001	i. 0 ug/ml	-	0.5213		<.0001
	CAT	ii. 5 ug/m	0.1929	The second second		<.0001	ii. 5 ug/m	0.5213			<.0001
TOV112	CAT	iii. 20 ug	0.0069	The state of the s	-	<.0001	iii. 20 ug	0.0285	0.2074		<.0001
TOV112	CAT	iv. 100 ug	<.0001	<.0001	<.0001	-	iv. 100 ug	<.0001	<.0001	<.0001	
TOV112	GSR	i. 0 ug/ml	_	<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
TOV112	GSR	ii. 5 ug/m	<.0001		<.0001	<.0001	ii. 5 ug/m	<.0001		<.0001	<.0001
TOV112	GSR	iii. 20 ug	<.0001	<.0001		THE RESIDENCE OF STREET	iii. 20 ug	<.0001	<.0001		0.0109
TOV112	GSR		<.0001	<.0001	0.0026	-	iv. 100 ug	<.0001	<.0001	0.0100	
TOV112	GSTp1	i. 0 ug/ml		0.1565	0.0020	-	i. 0 ug/ml	0001		0.0109	-
TOV112	GSTp1	ii. 5 ug/m	0.1565			A STATE OF THE PARTY OF T		- 0.44	0.4478	0.0332	-
TOV112	GSTp1	iii. 20 ug	0.1363	The state of the s	0.0895	And in contrast of the last of	ii. 5 ug/m	0.4478	-	0.2882	0.0001
	and the second second				-	THE RESIDENCE OF THE PARTY OF T	iii. 20 ug	0.0332	The second second second	_	0.0008
TOV112	GSTp1	iv. 100 ug	<.0001	<.0001	0.0002		iv. 100 ug	<.0001	0.0001	0.0008	
TOV112	MPO	i. 0 ug/ml		<.0001	<.0001		i. 0 ug/ml		<.0001	<.0001	<.0001
	MPO		<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001		CATALOGUE CONTRACTOR C	<.0001
TOV112	MPO	iii. 20 ug	<.0001	<.0001			iii. 20 ug	<.0001	<.0001	an BlineAllin	0.0004
TOV112 TOV112		iv. 100 ug		<.0001	<.0001	THE RESERVE AND ADDRESS OF THE PARTY OF THE	iv. 100 ug	<.0001	<.0001	0.0004	0.0004
	MPO	i. 0 ug/ml		0.0035	0.0004		i. 0 ug/ml		0.015		< 0001
TOV112 TOV112	MPO SOD3	i. o du/iiii	-	5,0033	0.1329	CONTRACTOR DESCRIPTION OF THE PERSON OF THE	ii. 5 ug/m	0.015	0.015	0.0019	Managine Court and Art
TOV112 TOV112 TOV112	SOD3		0.0035		0.1329	THE RESERVE AND ADDRESS OF THE PARTY OF THE		0.015	-	0.3954	
TOV112 TOV112 TOV112 TOV112	SOD3 SOD3	ii. 5 ug/m	0.0035	0.1330	THE RESERVE	- 0004					
TOV112 TOV112 TOV112 TOV112 TOV112	SOD3 SOD3 SOD3	ii. 5 ug/m iii. 20 ug	0.0004	0.1329	- 0000	The second second second second	iii. 20 ug	0.0019	0.3954	-	<.0001
TOV112 TOV112 TOV112 TOV112 TOV112 TOV112	SOD3 SOD3 SOD3 SOD3	ii. 5 ug/m iii. 20 ug iv. 100 ug	0.0004	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	<.0001
FOV112 FOV112 FOV112 FOV112 FOV112 FOV112 FOV112	SOD3 SOD3 SOD3 SOD3 iNOS	ii. 5 ug/m iii. 20 ug iv. 100 ug i. 0 ug/ml	0.0004 <.0001	The second secon	<.0001	- <.0001	iv. 100 ug i. 0 ug/ml	<.0001	The second second second second second	<.0001	<.0001 - <.0001
FOV112 FOV112 FOV112 FOV112 FOV112 FOV112 FOV112 FOV112	SOD3 SOD3 SOD3 SOD3 iNOS iNOS	ii. 5 ug/m iii. 20 ug iv. 100 ug i. 0 ug/ml ii. 5 ug/m	0.0004 <.0001 - <.0001	<.0001	<.0001	- <.0001	iv. 100 ug i. 0 ug/ml	<.0001	<.0001	<.0001 <.0001	
FOV112 FOV112 FOV112 FOV112 FOV112 FOV112 FOV112	SOD3 SOD3 SOD3 SOD3 iNOS	ii. 5 ug/m iii. 20 ug iv. 100 ug i. 0 ug/ml ii. 5 ug/m	0.0004 <.0001 - <.0001 <.0001	<.0001	<.0001 <.0001	- <.0001 <.0001	iv. 100 ug i. 0 ug/ml ii. 5 ug/m	<.0001 - <.0001	<.0001	<.0001 <.0001	_ <.0001

## General linear model results

Diff							ELISA							Name and
	exposure : Nominal p-values							Tukos	-Kramer Ad	Model fit				
Cell line	_	i/j				iv. 100 ug	i/i			-	iv. 100 ug	Cell_line		R-Squar
L-1	CAT	i. 0 ug/ml		0.0029		<.0001	i. 0 ug/ml	DESCRIPTION OF THE PERSON NAMED IN	0.0122		<.0001			
L-1	CAT	ii. 5 ug/m	0.0029	Name and Address of the Owner, where the Owner, which is the Owner,	<.0001	<.0001	ii. 5 ug/m	Charles complete of the con-	The second state of the second second	<.0001	<.0001	EL-1	CAT	0.9915
L-1	CAT	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	<.0001		<.0001	EL-1	GSR	0.9984
L-1	CAT	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	_	EL-1	GST	0.9560
L-1	GSR	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml	_	<.0001	<.0001	<.0001	EL-1	MPO	0.9193
L-1	GSR	ii. 5 ug/m	<.0001	_	<.0001	<.0001	ii. 5 ug/m	<.0001		<.0001	<.0001	EL-1	NO2	0.9866
L-1	GSR	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	<.0001		<.0001	EL-1	SOD	0.9628
L-1	GSR	iv. 100 ug	<.0001	<.0001	<.0001	_	iv. 100 ug	Name and Advanced Division of the Owner, which the Owner,	<.0001	<.0001	_	FT33	CAT	0.9957
L-1	GST	i. 0 ug/ml	_	0.0053	0.0007		i. 0 ug/ml	-	0.022	and the second second	AND DESCRIPTION OF THE PARTY OF	FT33	GSR	0.9980
L-1	GST	ii. 5 ug/m	0.0053	And in case of the	0.1761	The second second	ii. 5 ug/m	0.022	CONTRACTOR AND ADDRESS OF PARTY	The second second second	<.0001	FT33	GST	0.9908
L-1	GST	iii. 20 ug	0.0007	PARKET STATE OF THE PARKET STATE STATE OF THE PARKET STATE STATE OF THE PARKET STATE	The state of the s	<.0001	iii. 20 ug	0.0033	Perfect Control PR CONTROL		0.0003	FT33	MPO	0.7750
L-1	GST	iv. 100 ug	<.0001	<.0001	<.0001	-	iv. 100 ug	Colonia de la co	<.0001	0.0003		FT33	NO2 SOD	0.9931
L-1	MPO	i. 0 ug/ml	0.0040	0.0048	0.0001		i. 0 ug/ml	A STATE OF THE PARTY OF THE PAR	0.02	0.0008	<.0001 0.0039	A2780	CAT	0.9837
L-1	MPO	ii. 5 ug/m	0.0048	-	0.0184		ii. 5 ug/m iii. 20 ug	0.000	100		0.2059	A2780	GSR	0.9969
L-1 L-1	MPO MPO	iii. 20 ug iv. 100 ug	0.0001	0.0184	- 0.06	_	iv. 100 ug	Section of the section of the Control of the Contro	0.0039	The second second	THE RESIDENCE OF THE PARTY OF	A2780	GST	0.9670
L-1	NO2	i. 0 ug/ml	<.0001	And the second second second second	0.06 <.0001	- <.0001	i. 0 ug/ml	Charles and Control of the Control	Committee of the section of the section of	<.0001	<.0001	A2780	MPO	0.9602
L-1 L-1	NO2	ii. 5 ug/m	0.0002	The Control of the State of the	<.0001	<.0001	ii. 5 ug/m	The state of the s	Antes assessment of the state of the state of	<.0001	<.0001	A2780	NO2	0.9207
L-1	NO2	iii. 20 ug	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	<.0001	-10001			<.0001	<.0001		0.0589	A2780	SOD	0.965
L-1	NO2	iv. 100 ug		<.0001	0.015		iv. 100 ug		<.0001	0.0589		NOE	CAT	0.9943
L-1	SOD	i. 0 ug/ml	STATE OF THE PARTY	0.0004		<.0001	i. 0 ug/ml	and the first field of the party of the part	A STATE OF THE PARTY OF THE PAR	<.0001	<.0001	NOE	GSR	0.9975
EL-1	SOD	ii. 5 ug/m	0.0004		0.0008		ii. 5 ug/m	Williams or Alice and probability for the		0.0037	CONTRACTOR OF STREET	NOE	GST	0.9564
EL-1	SOD	iii. 20 ug		0.0008	-			<.0001	0.0037		0.2475	NOE	MPO	0.5582
EL-1	SOD	iv. 100 ug	<.0001	<.0001	0.0745		iv. 100 ug	<.0001	0.0004	0.2475		NOE	NO2	0.9969
T33	CAT	i. 0 ug/ml		0.0003	<.0001	<.0001	i. 0 ug/ml	_	0.0016	<.0001	<.0001	NOE	SOD	0.9832
FT33	CAT	ii. 5 ug/m	0.0003		<.0001	<.0001	ii. 5 ug/m	0.0016	_	<.0001	<.0001	SKOV-3	CAT	0.9771
FT33	CAT	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug	<.0001	<.0001	-	<.0001	SKOV-3	GSR	0.9974
FT33	CAT	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	_	SKOV-3	GST	0.978
FT33	GSR	i. 0 ug/ml	The state of the s	<.0001	<.0001	<.0001	i. 0 ug/ml	The second secon	<.0001	<.0001	<.0001	SKOV-3	MPO	0.9994
FT33	GSR	ii. 5 ug/m	A STATE OF THE PARTY OF THE PAR	_	<.0001	<.0001	ii. 5 ug/m	THE RESERVE OF THE PARTY OF THE	-	<.0001	<.0001	SKOV-3	NO2	0.9951
FT33	GSR	iii. 20 ug	THE RESERVE OF THE PARTY OF THE	<.0001	_	<.0001	iii. 20 ug	- Company and Company and	<.0001	_	<.0001	SKOV-3	SOD	0.9782
FT33	GSR	iv. 100 ug		<.0001	<.0001		iv. 100 ug		<.0001	<.0001	-	TOV-112	CAT	0.9910
FT33	GST	i. 0 ug/ml	Description of the second	AND DESCRIPTION OF THE PARTY OF	<.0001	<.0001	i. 0 ug/ml	\$ T	and the second s	<.0001	<.0001	TOV-112	GSR	0.9972
FT33	GST	ii. 5 ug/m	0.0001			<.0001	ii. 5 ug/m	The second second second second	The state of the s	The state of the s	<.0001	TOV-112	GST	0.9753
FT33	GST	iii. 20 ug		0.0002		<.0001	iii. 20 ug	Description of the last	0.0008	Control of the last of the las	<.0001	TOV-112	MPO NO2	0.9703
FT33	GST	iv. 100 ug		<.0001	<.0001	0.0041	iv. 100 ug	The second district of	<.0001	<.0001 0.8352	0.0173	TOV-112 TOV-112	SOD	0.9703
FT33	MPO	i. 0 ug/ml	Jane 1	0.003	-		i. 0 ug/ml	The second second		0.0405		104-112	300	0.3663
FT33	MPO MPO	ii. 5 ug/m iii. 20 ug	0.003		0.01	Common de la commo	ii. 5 ug/m iii. 20 ug	0.0129	-		0.9959			
FT33 FT33	MPO	iv. 100 ug					iv. 100 ug			Street, Square or other Designation of the last of the				
FT33	NO2	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml	PERSONAL PROPERTY.	<.0001	<.0001	<.0001			
FT33	NO2	ii. 5 ug/m	-	4.0001	<.0001	<.0001	ii. 5 ug/m		4.0001	<.0001	<.0001			
FT33	NO2	iii. 20 ug		<.0001	4.0001		iii. 20 ug		<.0001	1000	0.1334			
FT33	NO2	iv. 100 ug	The state of the s	<.0001	0.0366		iv. 100 ug		<.0001	0.1334	-			
FT33	SOD	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml	Production of the last of the	<.0001	<.0001	<.0001			
FT33	SOD	ii. 5 ug/m	Property and the same of		<.0001	<.0001	ii. 5 ug/m	The same of the sa		<.0001	<.0001			
FT33	SOD	iii. 20 ug		<.0001		<.0001	iii. 20 ug		<.0001		0.0001			
FT33	SOD	iv. 100 ug		<.0001	<.0001		iv. 100 ug		<.0001	0.0001	_			
A2780	CAT	i. 0 ug/ml	The same of the sa	The second second	<.0001	<.0001	i. 0 ug/ml	A-11-	0.3904	<.0001	<.0001			
A2780	CAT	ii. 5 ug/m	0.1307		<.0001	<.0001	ii. 5 ug/m	0.3904	_	0.0004	<.0001			
A2780	CAT	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	0.0004	_	<.0001			
A2780	CAT	iv. 100 ug		<.0001	<.0001		iv. 100 ug	CONTRACTOR SANCTOR SANCTOR SANCTOR	<.0001	<.0001	-			
A2780	GSR	i. 0 ug/ml	A STATE OF THE PARTY OF THE PAR	Annual Control of the	<.0001	<.0001	i. 0 ug/ml	PROPERTY AND PERSONS ASSESSED.		<.0001	<.0001			
A2780	GSR	ii. 5 ug/m		-	<.0001	<.0001	ii. 5 ug/m		-	<.0001	<.0001			
A2780	GSR	iii. 20 ug	Section of the Contract of the	<.0001	_	<.0001	iii. 20 ug		<.0001	_	<.0001			
A2780	GSR	iv. 100 ug		<.0001	<.0001	-	iv. 100 ug	PARTIE AND PROPERTY AND PROPERT	<.0001	<.0001				
A2780	GST	i. 0 ug/ml	_	0.033	<.0001	<.0001	i. 0 ug/ml	Total Control of the last of t	0.1216		<.0001			
A2780	GST	ii. 5 ug/m		_		<.0001	ii. 5 ug/m	Bearing the minimum bearing the bearing the	The second second	The second second second second second	<.0001			
A2780	GST	iii. 20 ug	THE RESERVE AND PARTY AND PARTY.	0.0018	A STATE OF THE PARTY OF THE PAR	<.0001	iii. 20 ug	PARTY BETTA TO THE PARTY BETTA		-	0.0005			
A2780	GST	iv. 100 ug	Statement and the Statement and	<.0001	<.0001	- 00001	iv. 100 ug	Participated and another second	<.0001	0.0005	STATE STATE STATE AND ADDRESS OF THE OWNER,			
A2780	MPO	i. 0 ug/ml	The second section is not been determined in	_	<.0001	<.0001	i. 0 ug/ml	and the second second second second	-	<.0001	<.0001			
A2780	MPO	ii. 5 ug/m	The second secon		0.0032		ii. 5 ug/m	10.000 ALP (4.000) FINE	-	0.0136	The second second second			
A2780	MPO	iii. 20 ug	A Control of the Cont	0.0032			iii. 20 ug	The state of the s	0.0136	-	0.1624			
A2780	MPO	iv. 100 ug		0.0002		-	iv. 100 ug	1-	0.0008	CONTRACTOR CONTRACTOR	The second second second			
A2780	NO2	i. 0 ug/ml	The second second second	0.0436	and control of the second seco	<.0001	i. 0 ug/ml	per la company de la company d	0.1557	0.0065	<.0001			
A2780	NO2	ii. 5 ug/m		-	0.0477	A STATE OF THE PARTY OF T	ii. 5 ug/m	100000000000000000000000000000000000000		-	0.0006			
A2780	NO2	iii, 20 ug	0.0015		-	-	iii. 20 ug iv. 100 ug	0.0065	0.1687	A Principle of the Prin	-			
A2780	NO2	iv. 100 ug	The contract of the contract o	0.0001	-	The Park Street of the Park Street or Street o	i. 0 ug/ml	Service and the service of	and the contract of the contra	<.0001	<.0001			
A2780	SOD	i. 0 ug/ml ii. 5 ug/m	Printerson, Name A. Maria Roselland		<.0001	<.0001	ii. 5 ug/m	Personal Section of the Party o	-	Committee of the Property of the Committee of the Committ	<.0001			



A2780	SOD	iii. 20 ug	<.0001	0.0001	_	0.0035	iii. 20 ug	Charles and the party of the contract of	0.0006	The state of the s	0.0149
A2780	SOD	iv. 100 ug		<.0001	0.0035	-	iv. 100 ug		<.0001	0.0149	
NOE	CAT	i. 0 ug/ml	_	<.0001	<.0001	<.0001	i. 0 ug/ml		0.0003	<.0001	<.0001
NOE	CAT	ii. 5 ug/m	<.0001		<.0001	<.0001		0.0003		<.0001	<.0001
NOE	CAT	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	<.0001		<.0001
NOE	CAT	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug		<.0001	<.0001	_
NOE	GSR	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
NOE	GSR	ii. 5 ug/m	<.0001		<.0001	<.0001	ii. 5 ug/m		_	<.0001	<.0001
NOE	GSR	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug	<.0001	<.0001		<.0001
NOE	GSR	iv. 100 ug		<.0001	<.0001		iv. 100 ug		<.0001	<.0001	
NOE	GST	i. 0 ug/ml		0.0086	0.0001	<.0001	i. 0 ug/ml		0.0349		<.0001
NOE	GST	ii. 5 ug/m	0.0086			<.0001	ii. 5 ug/m	0.0349		the second of the second of the second of the	<.0001
NOE	GST	iii. 20 ug	0.0001			ACT AND AND AND ADDRESS OF THE PARTY OF THE	iii. 20 ug	0.0005			0.0024
NOE	GST	iv. 100 ug	many reconstitution of the line	<.0001	0.0005	0.0003	iv. 100 ug		<.0001	0.0024	The second secon
	MPO	i. 0 ug/ml		0.0152	0.0003	0.0570	i. 0 ug/ml		0.0597	The second second	And in contrast of the last of the last of the
NOE	MPO	ii. 5 ug/m	0.0152		0.0907		ii. 5 ug/m		- Committee of the Comm	0.6697	-
NOE		Marie Committee of the		- 0.303		THE THE PERSON NAMED IN COLUMN 2 IN COLUMN	iii. 20 ug	0.2915			0.9909
NOE	MPO	iii. 20 ug	0.0907					The second second second			
NOE	MPO	iv. 100 ug		-	and the section beauty to the markets		iv. 100 ug		THE RESERVE AND ADDRESS OF		-
NOE	NO2	i. 0 ug/ml	Part of the late o	<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
NOE	NO2	ii. 5 ug/m	Secretario de la constanta de	_	<.0001	<.0001	ii. 5 ug/m		_	<.0001	<.0001
NOE	NO2	iii. 20 ug	<.0001	<.0001	_	<.0001	iii. 20 ug		<.0001	-	<.0001
NOE	NO2	iv. 100 ug		<.0001	<.0001	_	iv. 100 ug		<.0001	<.0001	
NOE	SOD	i. 0 ug/ml		0.0016	<.0001	<.0001	i. 0 ug/ml	_	0.0071	<.0001	<.0001
NOE	SOD	ii. 5 ug/m	0.0016	_	<.0001	<.0001	ii. 5 ug/m		_	<.0001	<.0001
NOE	SOD	iii. 20 ug	<.0001	<.0001		0.0099	iii. 20 ug	<.0001	<.0001		0.040
NOE	SOD	iv. 100 ug		<.0001	0.0099		iv. 100 ug	<.0001	<.0001	0.0401	_
SKOV-3	CAT	i. 0 ug/ml		0.0038		<.0001	i. 0 ug/ml		0.0162	and the contract of the contra	<.0001
SKOV-3	CAT	ii. 5 ug/m		-	The second secon	<.0001	ii. 5 ug/m			and the second second	<.0001
SKOV-3	CAT	iii. 20 ug	0.0001	-	0.02.12	<.0001	iii. 20 ug	0.0006	AND DESCRIPTION OF THE PARTY OF		<.0001
SKOV-3	CAT	iv. 100 ug	AND DESCRIPTION OF THE PARTY OF	<.0001	<.0001	4.0001	iv. 100 ug		<.0001	<.0001	
SKOV-3	GSR	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
			)-TI	<.0001	to an extensive state of the second			-	1.0001		<.0001
SKOV-3	GSR	ii. 5 ug/m	CONTRACTOR OF THE PARTY OF THE PARTY.			<.0001	ii. 5 ug/m		- 0.0000	A STATE OF THE PARTY OF THE PAR	Enclose Advanced Comments
SKOV-3	GSR	iii. 20 ug		0.0002	-	<.0001	iii. 20 ug		0.0008	A STATE OF THE PARTY OF T	<.0001
SKOV-3	GSR	iv. 100 ug	<.0001	<.0001	<.0001	-	iv. 100 ug		<.0001	<.0001	-
SKOV-3	GST	i. 0 ug/ml	_		<.0001	<.0001	i. 0 ug/ml	_	0.0175	<.0001	<.0001
SKOV-3	GST	ii. 5 ug/m	0.0042	_	0.0011	<.0001	ii. 5 ug/m	0.0175	_	Annual Control of the	<.0001
SKOV-3	GST	iii. 20 ug	<.0001	0.0011	_	<.0001	iii. 20 ug	<.0001	0.0047	_	<.0001
SKOV-3	GST	iv. 100 ug	<.0001	<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	_
SKOV-3	MPO	i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
SKOV-3	MPO	ii. 5 ug/m	<.0001		<.0001	<.0001	ii. 5 ug/m	<.0001		<.0001	<.0001
SKOV-3	MPO	iii. 20 ug	The same of the sa	<.0001		<.0001	iii. 20 ug	<.0001	<.0001		<.0001
SKOV-3	MPO	iv. 100 ug	Laboratoria de la constitución d	<.0001	<.0001		iv. 100 ug	The State of the S	<.0001	<.0001	
SKOV-3	NO2	i. 0 ug/ml	The state of the s	<.0001	<.0001	<.0001	i. 0 ug/ml		Annual Control of the	<.0001	<.0001
SKOV-3	NO2	ii. 5 ug/m	The second second second	4.0001	<.0001	<.0001	ii. 5 ug/m			<.0001	<.0001
SKOV-3	NO2	iii. 20 ug	And the second second second	<.0001	~.0001	<.0001	iii. 20 ug	-	<.0001	4.0001	<.0001
		PROBLEM TO SERVICE	AND DESCRIPTION OF THE PARTY OF	<.0001	<.0001	<.0001	iv. 100 ug		<.0001	<.0001	4.0001
SKOV-3	NO2	iv. 100 ug	<.0001	Secretario de la constanta de	<.0001	- 0001			The second of th	<.0001	<.0001
SKOV-3	SOD	i. 0 ug/ml	- 0.0005			<.0001	i. o ug/mi	- 0.0037			-
SKOV-3	SOD		0.0006			<.0001	ii. 5 ug/m				<.0001
SKOV-3	SOD	iii. 20 ug	-	0.0002			iii. 20 ug	processor in an accommon	0.001	4 The street of	0.001
SKOV-3	SOD	iv. 100 ug	<.0001	<.0001	0.0003	_	iv. 100 ug	<.0001	<.0001	0.0013	-
TOV-112	CAT	i. 0 ug/ml	_		<.0001	<.0001	i. 0 ug/ml	_		<.0001	<.0001
TOV-112	CAT	ii. 5 ug/m	0.0004	_	<.0001	<.0001	ii. 5 ug/m	0.0018	_	<.0001	<.0001
TOV-112	CAT	iii. 20 ug	<.0001	<.0001		<.0001	iii. 20 ug		<.0001		<.0001
TOV-112	CAT	iv. 100 ug		<.0001	<.0001		iv. 100 ug		<.0001	<.0001	
TOV-112		i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml	Contraction of the Contraction o	<.0001	<.0001	<.0001
TOV-112		ii. 5 ug/m		_	<.0001	<.0001	ii. 5 ug/m			<.0001	<.0001
TOV-112		iii. 20 ug	Secretarion and provident and continues and	<.0001	_	<.0001	iii. 20 ug	The state of the s	<.0001		<.0001
TOV-112		iv. 100 ug	The second second second	<.0001	<.0001	V.0001	iv. 100 ug	and the second section of the second section is a second section of the second section of the second section is a second section of the section of	<.0001	<.0001	
		i. 0 ug/ml			<.0001	<.0001	i. 0 ug/ml		A SECURITION OF THE PARTY OF TH	<.0001	<.0001
TOV-112				The second second second	THE R. P. LEWIS CO., LANSING, MICH.	A STATE OF THE PARTY OF THE PAR	ii E uala	0.0212		And the contract of the Contra	<.0001
TOV-112			0.0051			<.0001		0.0212	- 0.004		
TOV-112		iii. 20 ug		0.0002	-	THE RESERVE OF THE PARTY OF THE PARTY.	iii. 20 ug	Probable fundamental participation and the	0.001	- 0.001	0.00
TOV-112		iv. 100 ug		<.0001	0.0002	The state of the s	iv. 100 ug		<.0001	0.001	
TOV-112		i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml		<.0001	<.0001	<.0001
TOV-112		ii. 5 ug/m	BUCKLA STRONG THE SECTION	_		<.0001	ii. 5 ug/m	Environmental and a service	_	and the second second second second	<.0001
TOV-112	MPO	iii. 20 ug	<.0001	0.0006	_	<.0001	iii. 20 ug	Belle Labour Mind Park III	0.0025	_	<.0001
TOV-112	MPO	iv. 100 ug		<.0001	<.0001		iv. 100 ug	<.0001	<.0001	<.0001	_
TOV-112		i. 0 ug/ml		<.0001	0.0007	<.0001	i. 0 ug/ml		<.0001	0.0029	<.0001
TOV-112	NO2	ii. 5 ug/m			0.0057		ii. 5 ug/m			0.0239	tradiction to the terms of the terms
TOV-112		iii. 20 ug		-	- 0.0037	<.0001	iii. 20 ug			_	<.0001
		iv. 100 ug	The terror of the second secon			and the street of the	iv. 100 ug	Commence of the State of the St		<.0001	4.0001
TOV-112				The second second second second	<.0001	< 0001			and the second second second second	A STREET OF THE PARTY OF THE PA	ALCOHOLD STATE OF THE PARTY OF
TOV-112		i. 0 ug/ml		<.0001	<.0001	<.0001	i. 0 ug/ml			<.0001	<.0001
TOV-112		ii. 5 ug/m	The state of the s	-	<.0001	<.0001	ii. 5 ug/m	The second second second	The same of the sa	<.0001	<.0001
TOV-112	SOD	iii. 20 ug	Je nine en de la constant de la cons	<.0001	_	PERSONAL PROPERTY.	iii. 20 ug	The second secon	<.0001	_	0.002
	SOD	iv. 100 ug	<.0001	<.0001	0.0006		iv. 100 ug	<.0001	<.0001	0.0025	